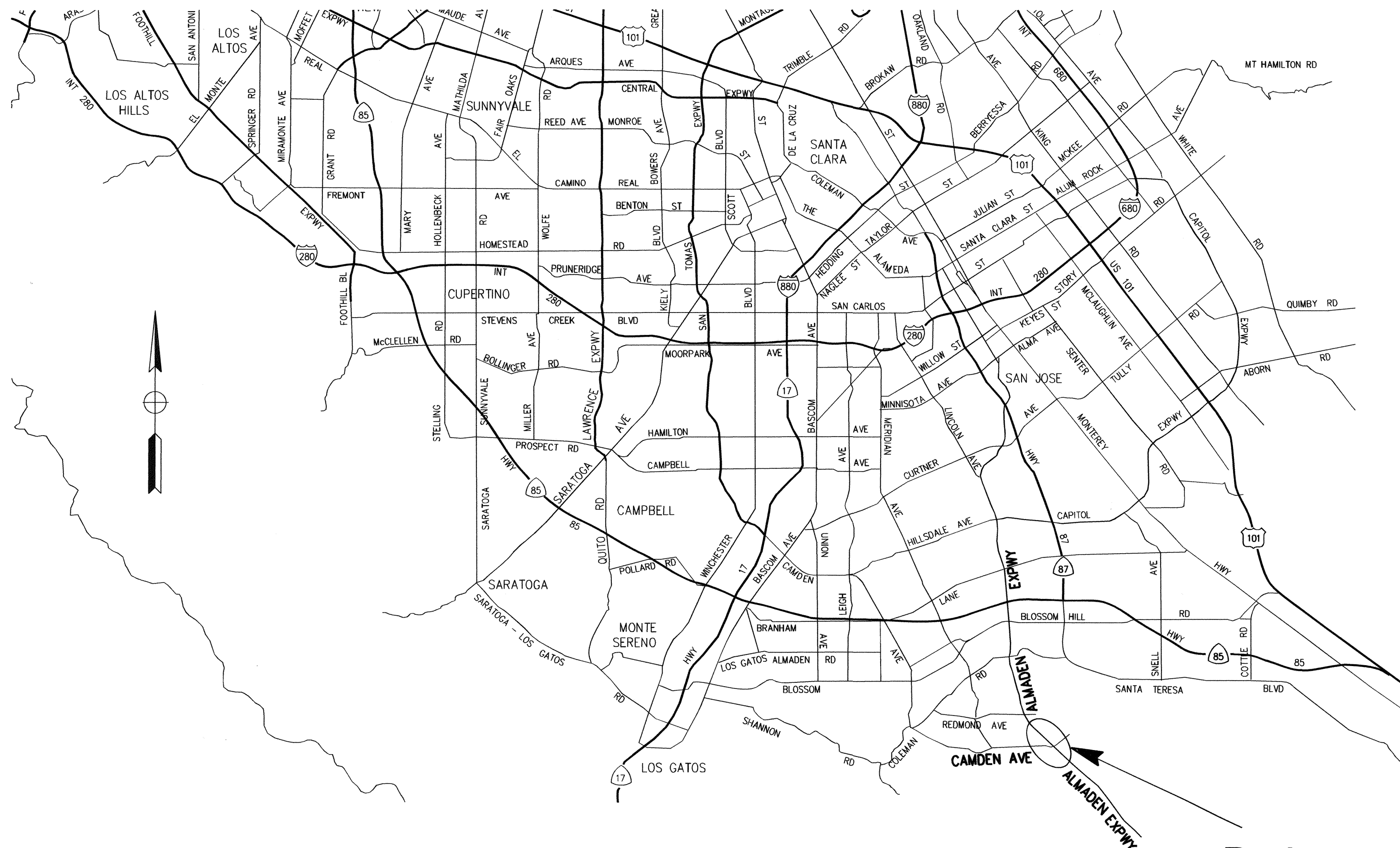


# COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT

## PLANS FOR CONSTRUCTION OF THE INTERSECTION IMPROVEMENTS AT ALMADEN EXPRESSWAY AND CAMDEN AVENUE

PROJECT FUNDING: MEASURE B EXPRESSWAY



**Project Location**

**LOCATION MAP**



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THE CONTRACTOR SHALL POSSESS A CLASS 'A' LICENSE AT THE TIME THIS CONTRACT IS BID.

TO BE SUPPLEMENTED BY  
COUNTY STD. PLANS DATED SEPTEMBER, 1997  
COUNTY STD. SPECIFICATIONS DATED MAY, 2000  
STATE STD. PLANS DATED 2018  
AND BY STATE STD. SPECIFICATIONS DATED 2018

NO.	REVISIONS	BY	DATE	APP'D



**COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT**

CL DESIGNED	06-2022	DATE	HARRY FREITAS
CL DRAWN	06-2022	DATE	DIRECTOR
PP CHECKED	06-2022	DATE	

APPROVED: *Harry Freitas*  
DocuSigned by: Harry Freitas  
6DC28984CB2D46D...

**INTERSECTION IMPROVEMENTS  
AT ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
TITLE SHEET**

WORK ORDER No. C3399	ADVERTISEMENT DATE:	CONTRACT No.	FILE No.
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DRAWING No. **TS**  
SHT No. **1** OF **35**

**GENERAL NOTES:**

- CONTRACTOR SHALL INSPECT AND VERIFY ALL FIELD CONDITIONS BEFORE BIDDING, IN ACCORDANCE WITH CSS SECTION 2.03.
- CALL BEFORE YOU DIG UNDERGROUND SERVICE ALERT (USA) 811. NOTIFY USA MINIMUM TWO (2) WORKING DAYS BEFORE ANY EXCAVATION. CONTRACTOR IS RESPONSIBLE FOR CONTACTING RESPECTIVE UTILITY COMPANIES AND AFFECTED AGENCIES FOR VERIFICATION OF LOCATION AND DEPTHS OF EXISTING UTILITIES.
- CONTRACTOR SHALL NOTIFY PROPERTY OWNERS ADJACENT TO THE PROJECT SITE AND CITY OF SAN JOSE, THE DEPARTMENT OF TRANSPORTATION (GEOMETRIC DESIGN) AT (408)535-3850 A MINMUM OF TWO WEEKS PRIOR TO THE NEED TO ARRANGE FOR THE STRIPING INSTALLATION.
- ALL WORK, MATERIALS AND EQUIPMENT ON THIS PROJECT SHALL CONFORM TO THE REQUIREMENTS OF THE COUNTY OF SANTA CLARA STANDARD SPECIFICATIONS DATED 2000 AND STANDARD DETAIL MANUAL DATED SEPTEMBER 1997 (INCLUDING AMENDED EDITIONS), STATE OF CALIFORNIA STANDARD PLANS AND SPECIFICATIONS DATED 2018 AND LATEST REVISION, AND THESE PROJECT PLANS AND PROJECT SPECIAL PROVISIONS UNLESS NOTED OTHERWISE. SHOULD CONFLICTS OCCUR IN CONSTRUCTION DOCUMENTS, REFER TO PROJECT SPECIAL PROVISIONS SEC. 5.19 OF SECTION 107.
- FOR SIDEWALK AND DRIVEWAY WORK WITHIN THE CITY'S LIMITS AS SHOWN IN THE PROJECT PLANS, DESIGN, MATERIALS AND EQUIPMENT ON THIS PROJECT SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF SAN JOSE.
- CONTRACTOR SHALL REPAIR/REPLACE ALL FACILITIES DAMAGED DUE TO HIS/HER OPERATION, INCLUDING BUT NOT LIMITED TO: EXISTING LANDSCAPING, IRRIGATION FACILITIES, TRAFFIC STRIPES, PAVEMENT MARKERS, COUNTY/CITY AND PRIVATE-OWNED UTILITY FACILITIES. ALL REPAIR/REPLACEMENT DUE TO CONTRACTOR'S NEGLIGENCE SHALL BE PERFORMED AT CONTRACTOR'S OWN COST, TO A MINIMUM COUNTY/CITY STANDARDS.
- THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR SAFE WORKING CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTIES DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL NOT BE LIMITED TO NORMAL WORKING HOURS. WORK SHALL NOT BEGIN UNTIL ADEQUATE TEMPORARY BARRICADES, BARRIERS, FENCES, WARNING AND CONTROL DEVICES ARE IN PLACE AS REQUIRED BY THE CONTRACT DOCUMENTS & PROJECT ENGINEER.
- CONTRACTOR SHALL PROVIDE CONTINUOUS ACCESS FOR PEDESTRIANS/CYCLISTS AND VEHICLES AT THE INTERSECTIONS AND ADJACENT PRIVATE DRIVEWAYS WITHIN THE PROJECT LIMIT OF WORK. TEMPORARY TYPE 1 BARRICADES WITH C2(CA) "ROAD CLOSED" SIGN SHALL BE INSTALLED WHEN ACCESS IS NOT PERMITTED. PROVIDE ALTERNATIVE ACCESS DURING CLOSURE.
- IF UTILITY LINES ARE AFFECTED, FIELD VERIFY LOCATION AND DEPTH OF EXISTING UTILITY LINES PRIOR TO COMMENCING WORK. UTILITY LINES INFORMATION SHOWN ON THE PLANS ARE APPROXIMATE. SOME OF THE UTILITY LINES ARE NOT SHOWN ON THE PLANS. THE SHOWN UTILITY LINES WERE BASED ON THE PLANS PROVIDED BY THE UTILITY OWNERS AND THE JURISDICTIONAL AGENCIES. NOTIFY THE ENGINEER FOR ANY DISCREPANCIES AND CONFLICTS PRIOR TO CONTINUING WORK.
- PRIOR TO DEMOLITION WORK, FIELD VERIFY ALL EXISTING FACILITIES THAT REQUIRE RELOCATION OR ADJUSTMENT TO A NEW FINISH GRADE. COORDINATE WORK WITH RESPECTIVE UTILITY COMPANIES.
- CONTRACTOR SHALL SAWCUT PCC STRUCTURES AND AC PAVEMENT SECTIONS PRIOR TO REMOVAL OF THESE FACILITIES IF THE ADJACENT FACILITIES WILL REMAIN IN PLACE. SAWCUTTING OF PCC STRUCTURE SHALL BE DONE ONLY AT THE CONSTRUCTION/EXPANSION JOINTS, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- ALL R/W LINES AND R/W ENTRY LIMIT LINES SHOWN ON THE PLANS ARE APPROXIMATE, AND FOR PICTORIAL USE ONLY. THE COUNTY SHALL IDENTIFY LINES ON THE FIELD FOR CONTRACTOR'S USE.
- CONTRACTOR SHALL EXERCISE DUE CARE TO PRESERVE AND PROTECT EXISTING TREES AND OTHER NATIVE HABITATS DURING CONTRACTOR'S OPERATION. DAMAGED TREES OR DISTURBED FACILITIES SHALL BE REPLACED AT THE DIRECTION OF THE ENGINEER AT CONTRACTOR'S OWN COST.
- CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL AND STAGING PLANS FOR ENGINEER'S APPROVAL TWO WEEKS PRIOR TO COMMENCING ANY WORK. ALL TRAFFIC CONTROLS SHALL BE IN COMPLIANCE WITH THE STATE OF CALIFORNIA STANDARD PLANS AND SPEICIFICATIONS AND COUNTY STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL CONFORM TO BEST MANAGEMENT PRACTICE DURING THE ENTIRE CONSTRUCTION PERIOD.
- CONTRACTOR SHALL NOTIFY PROPERTY OWNERS WHOSE EXISTING DRIVEWAYS ARE TO BE CONFORMED, EXISTING SMALL TREES/VEGETATION TO BE REMOVED AND REPLANTED, AND/OR, EXISTING FENCES TO BE REMOVED/RELOCATED TO THE R/W LINE, 14 DAYS PRIOR TO COMMENCING WORK. ENGINEER TO PROVIDE ADDRESSES OF PROPERTY OWNERS.
- CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF SAN JOSE PRIOR TO BEGINNING ANY WORK IN CITY JURISDICTION.

**ABBREVIATIONS**

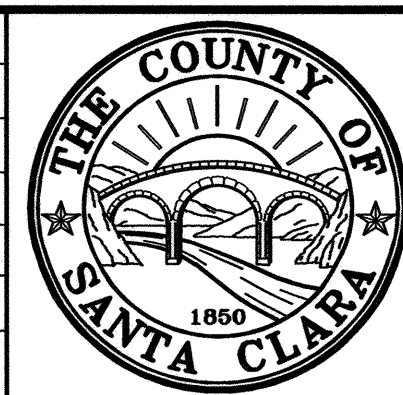
- C&G CURB & GUTTER
- CL CENTERLINE
- DI DRAINAGE INLET
- DW EXISTING DRIVEWAY
- EP EDGE OF PAVEMENT
- EX EXISTING
- FL FLOWLINE
- F/O FIBER OPTIC
- L LEFT OF P-LINE
- NTS NOT TO SCALE
- OG ORIGINAL GROUND
- PB PULL BOX
- R RIGHT OF P-LINE
- R/W RIGHT OF WAY
- SW SIDEWALK
- TC TOP OF CURB
- TG TOP OF GRATE

**LEGEND**

- ELECTROLIER
- UTILITY BOX / PULL BOX
- NEW DROP INLET
- EX DROP INLET
- FIRE HYDRANT
- GAS VALVE
- GUY POLE
- GUY WIRE
- MANHOLE, PACBELL
- SEWER/STREET MANHOLE
- TREE
- MONUMENT
- UTILITY POLE
- WATER METER/BOX
- WATER VALVE

- R/W EXIST. RIGHT OF WAY
- EXISTING CURB
- EXISTING SIDEWALK
- EXISTING EDGE OF PAVEMENT
- NEW CURB
- NEW EDGE OF PAVEMENT
- EXISTING STORM DRAIN LINE
- EXISTING SANITARY SEWER LINE
- EXISTING OVERHEAD LINE/UTILITY POLE
- EXISTING WATER LINE/FH/METER
- EXISTING GAS LINE
- EXISTING GAS LINE
- EXISTING CCTV CONDUIT
- EXISTING TELECOM LINE
- NEW STORM DRAIN LINE
- EXISTING FIBER OPTIC CABLE
- NEW FIBER OPTIC CABLE
- EXISTING CONDUIT
- NEW CONDUIT

NO.	REVISIONS	BY	DATE	APP'D



**COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT**

DESIGNED CL 06-2022	DATE 06-2022	SUBMITTED: CHRISTINE LI, P.E. ASSOCIATE CIVIL ENGINEER		APPROVED: ROCELIA KMAK, P.E. PRINCIPAL CIVIL ENGINEER
DRAWN PP 06-2022	DATE 06-2022	CHECKED <i>Christine Li</i> 6/21/2022		<i>Rocelia Kmak</i> 6/21/22

**INTERSECTION IMPROVEMENTS AT  
ALMADEN EXPRESSWAY AND CAMDEN AVENUE**

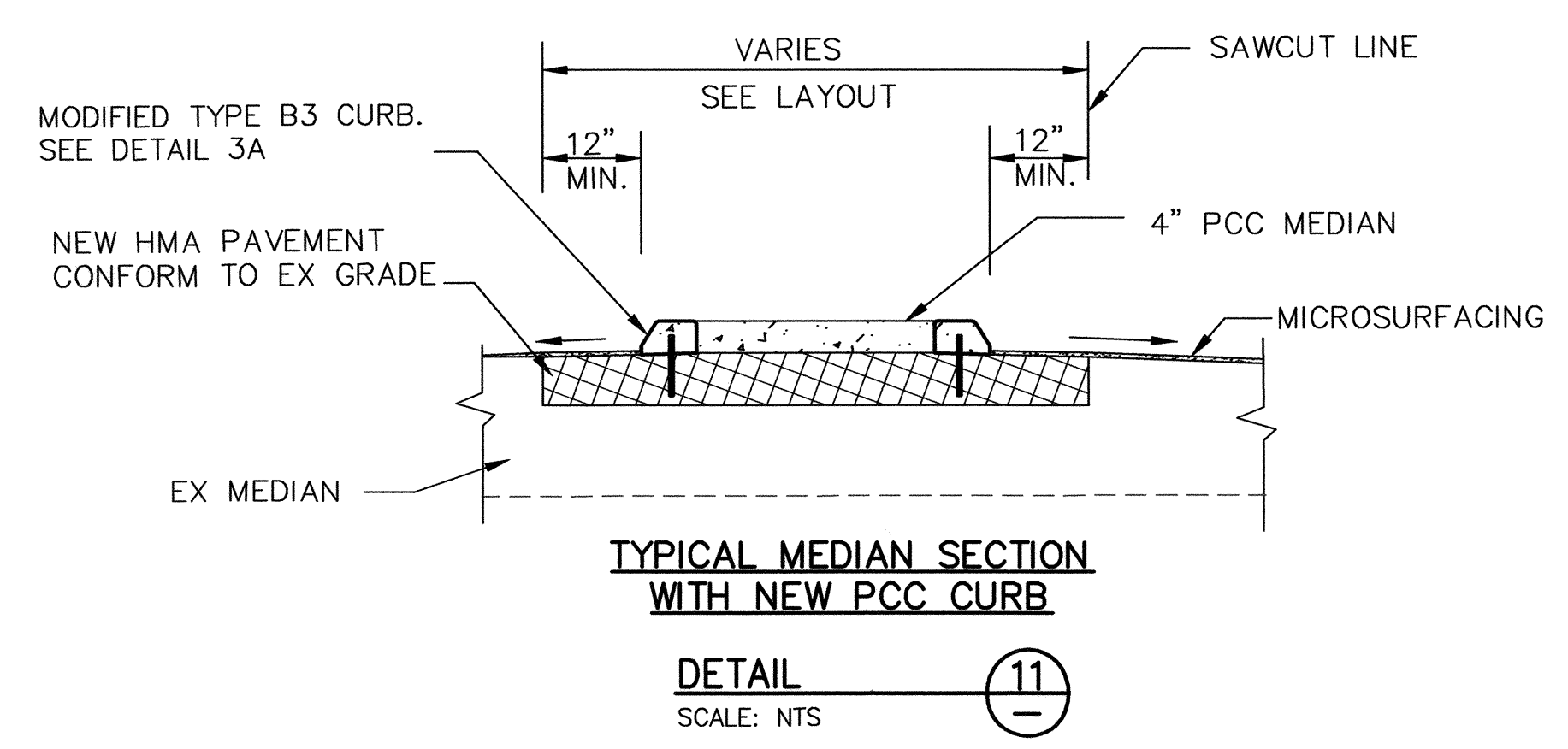
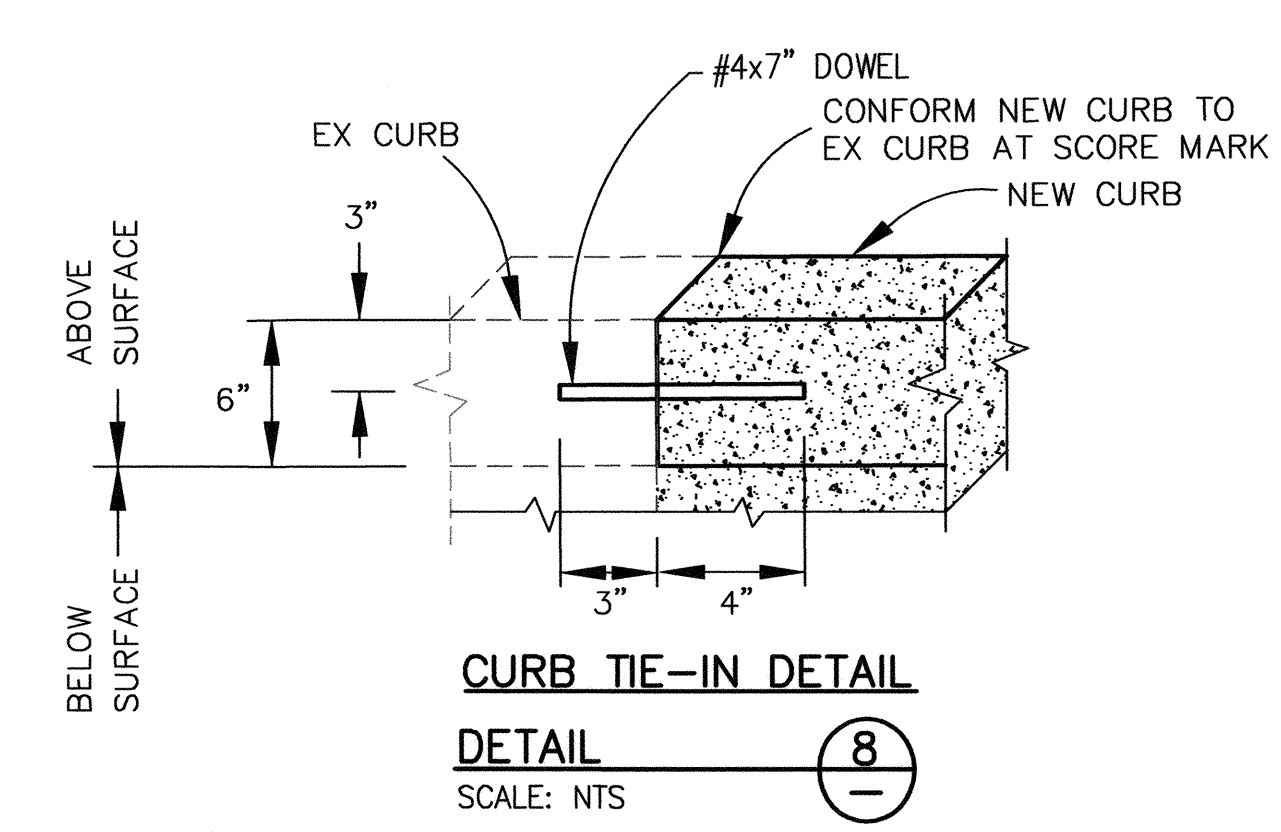
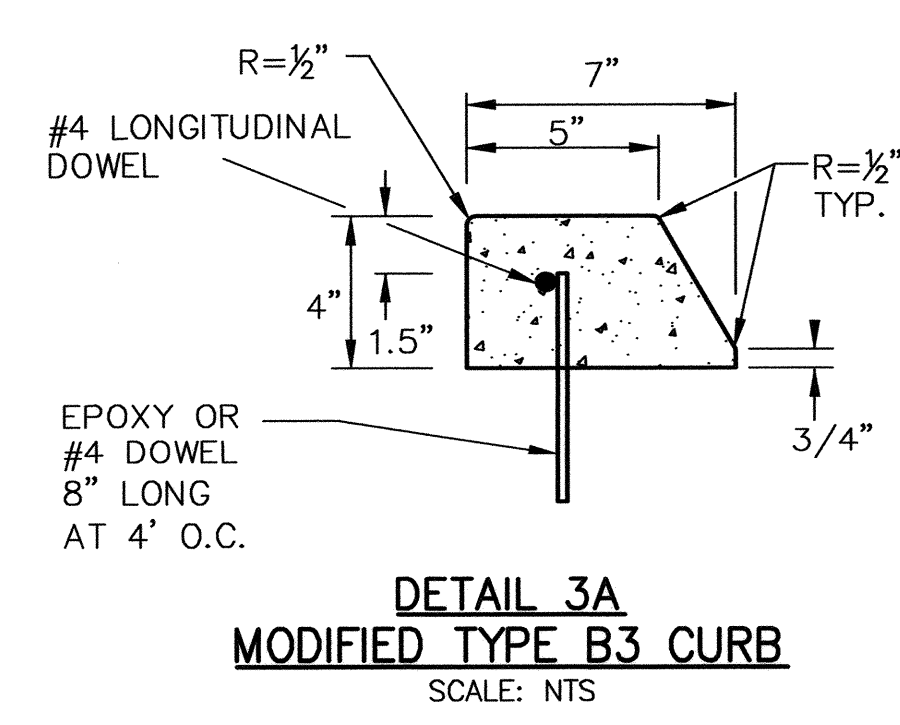
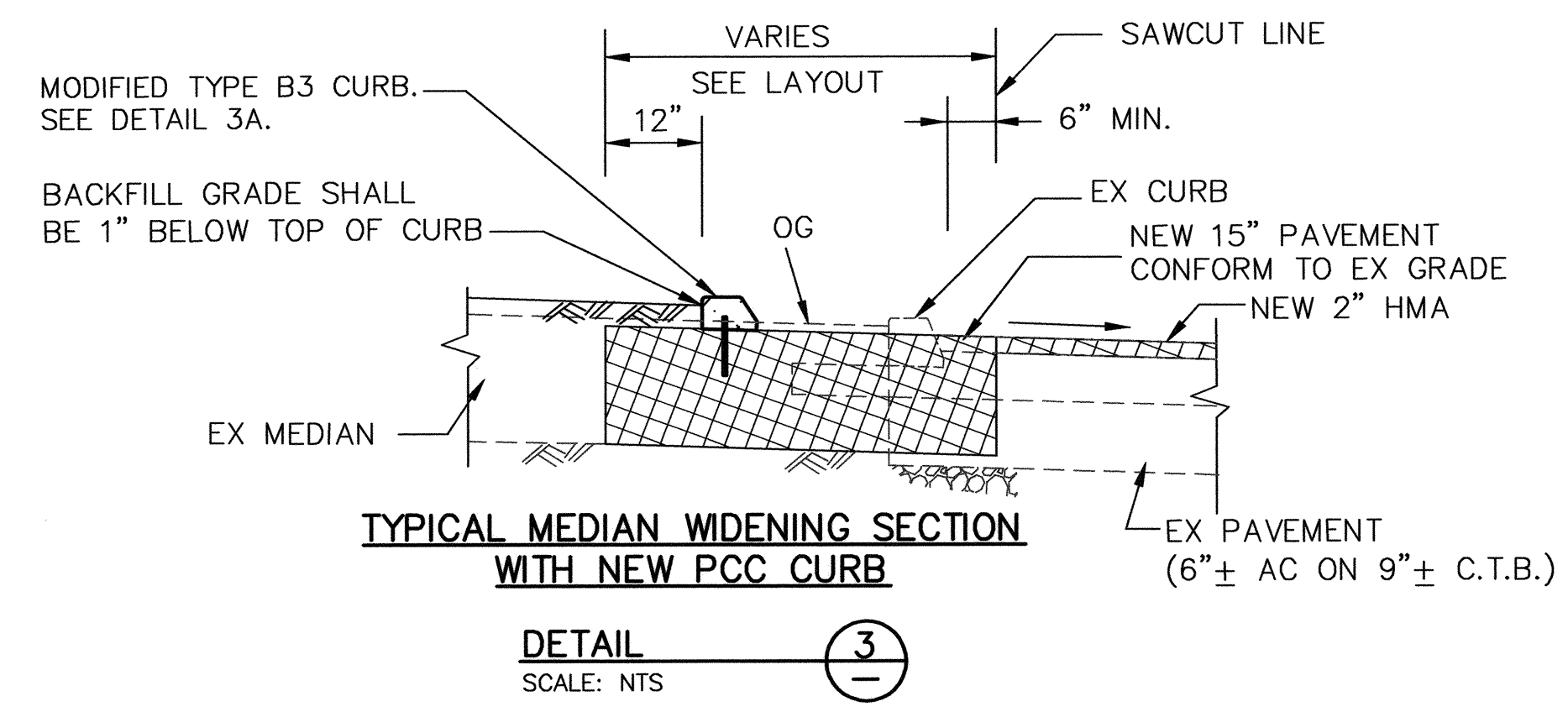
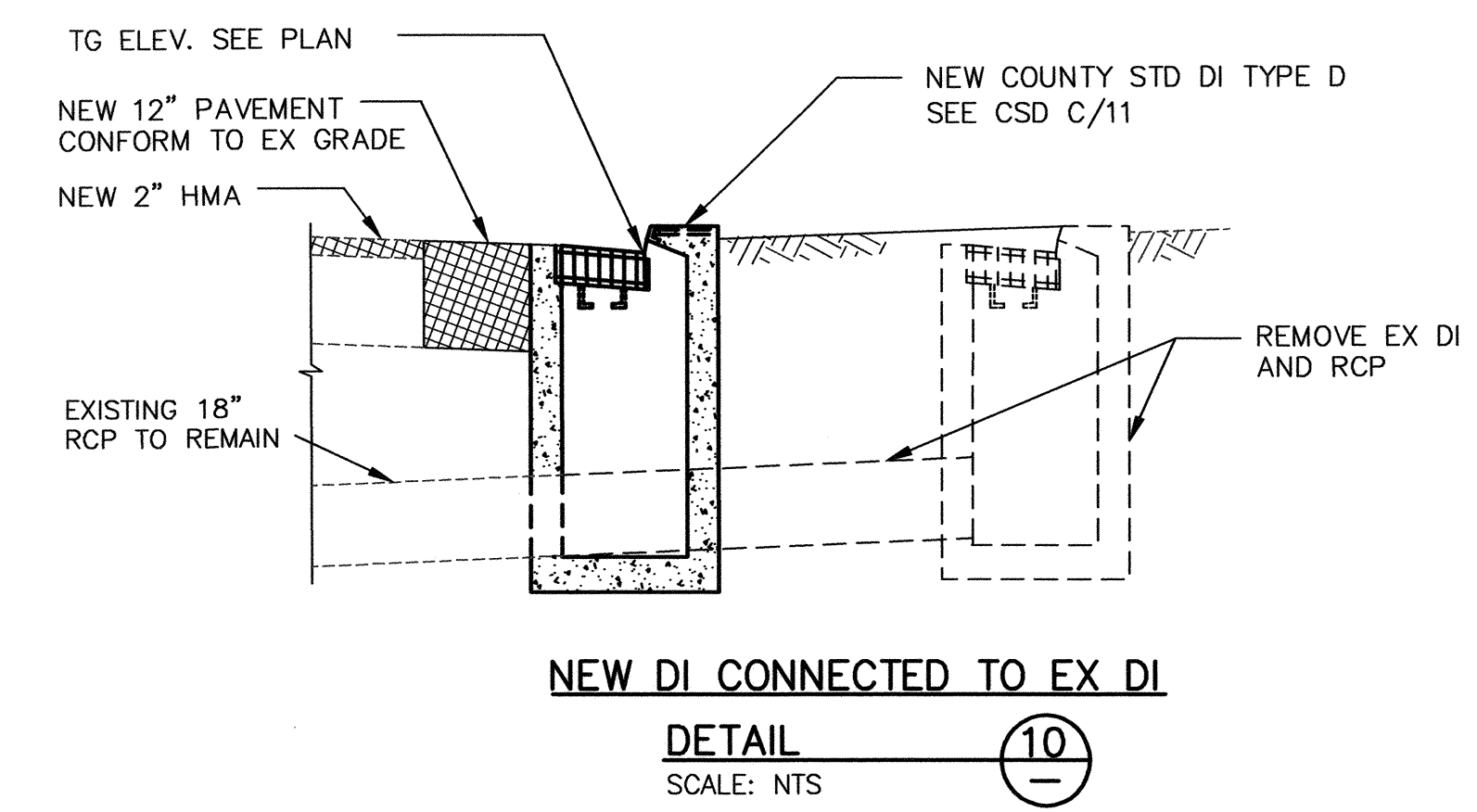
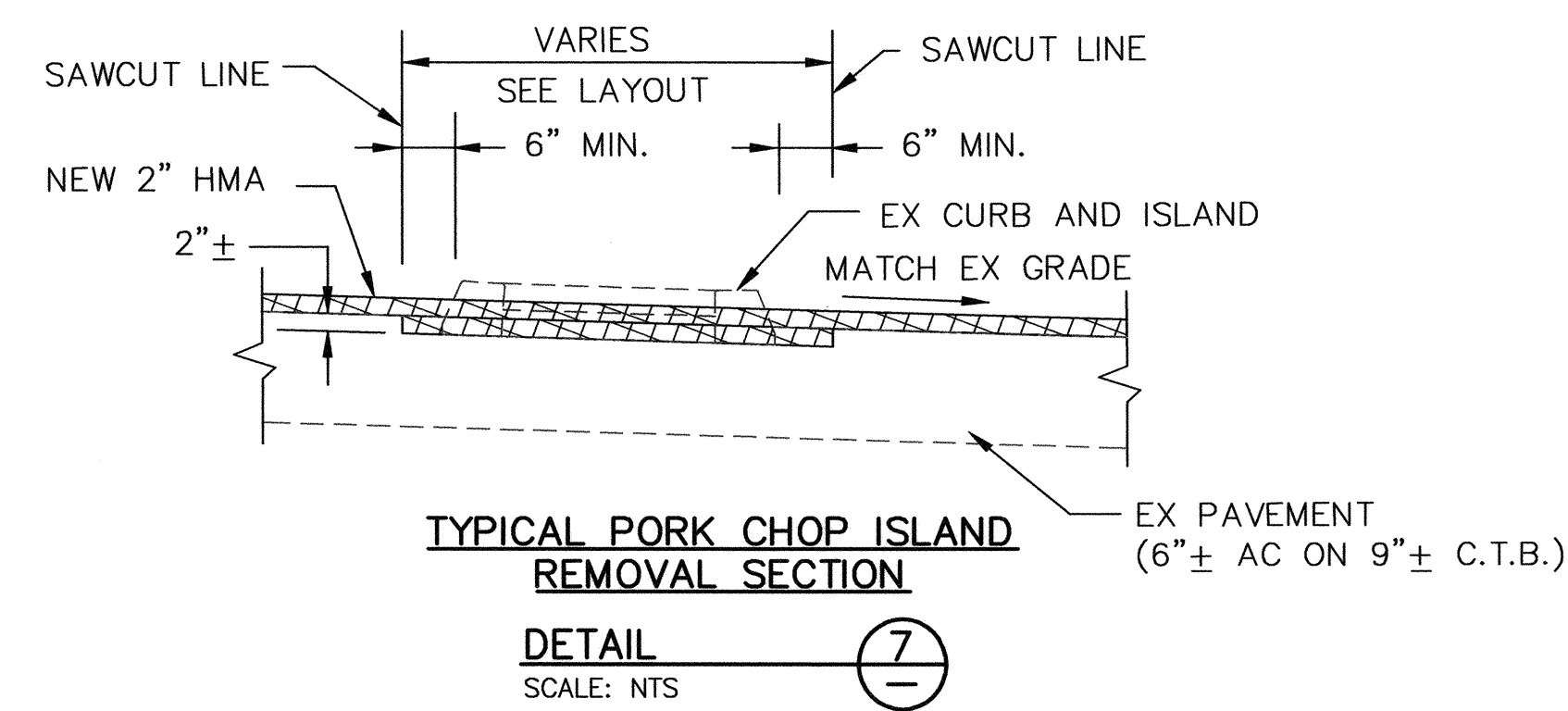
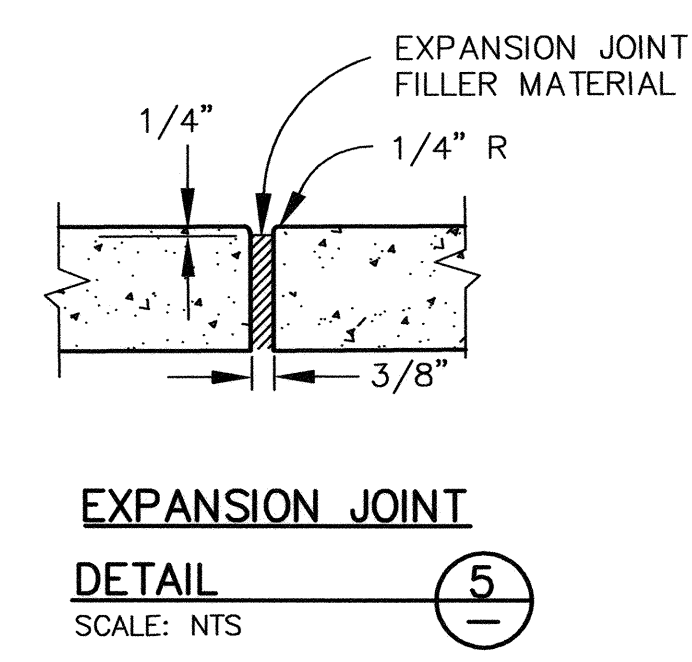
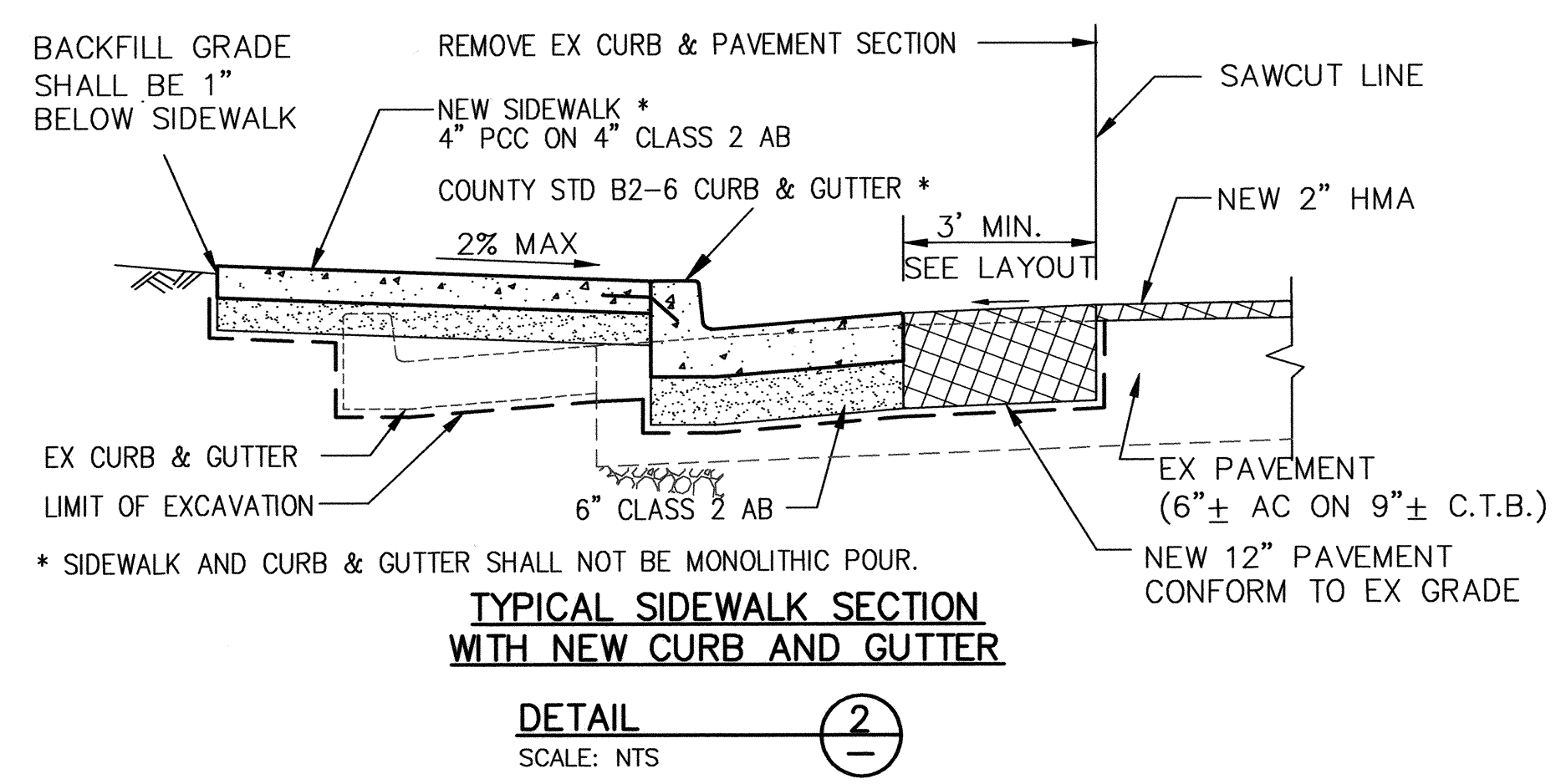
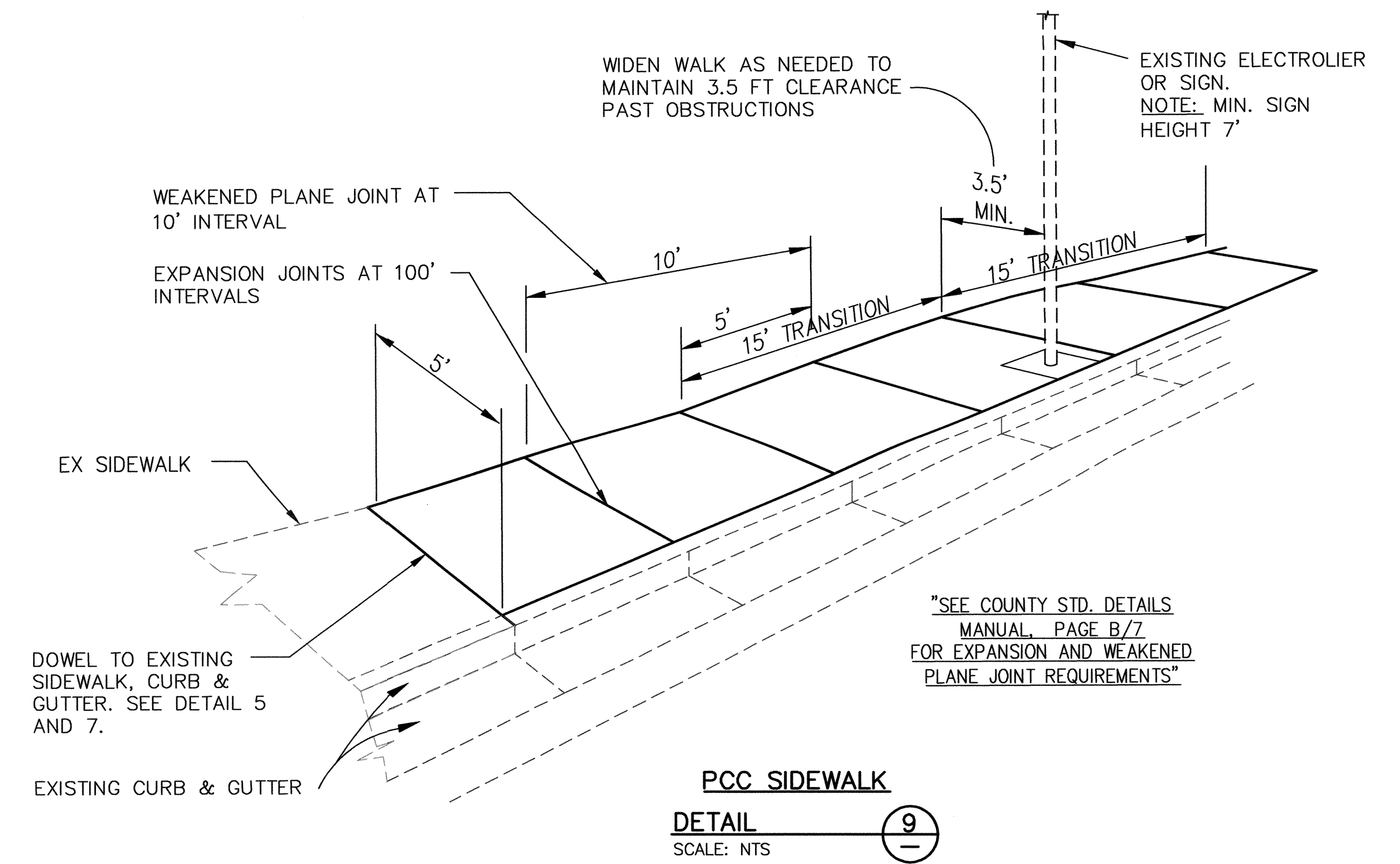
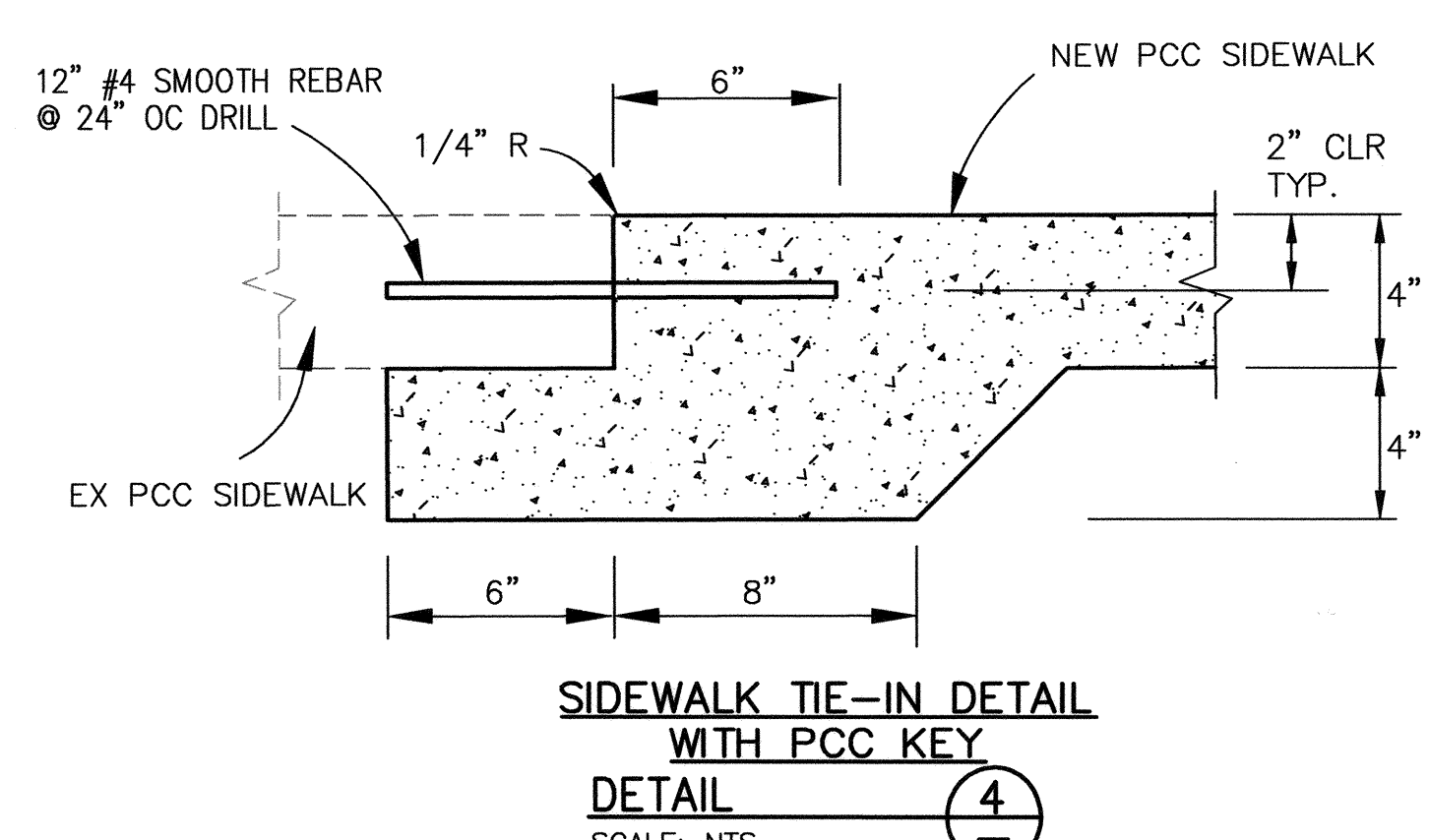
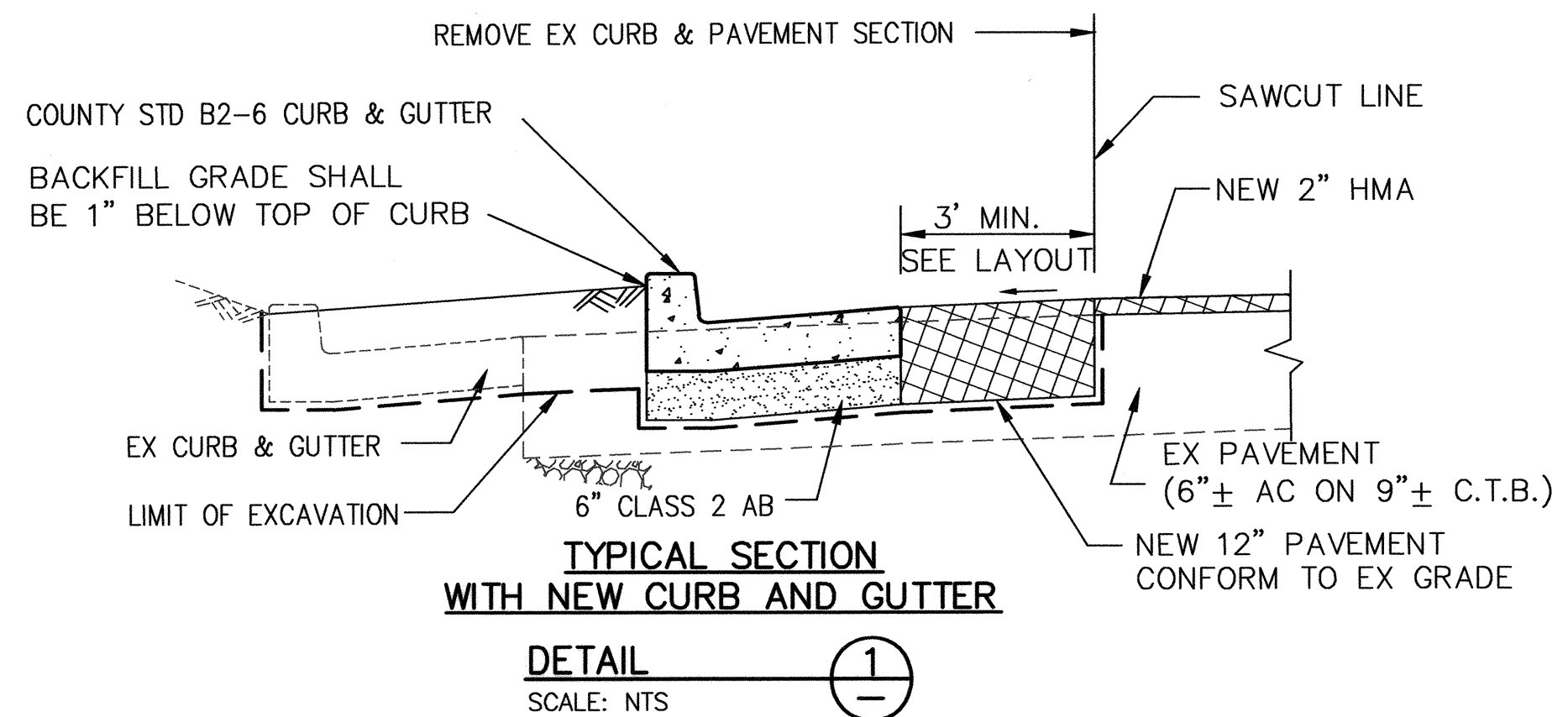
**GENERAL NOTES**

WORK ORDER No. C3399	ADVERTISEMENT DATE:	CONTRACT No.	FILE No.
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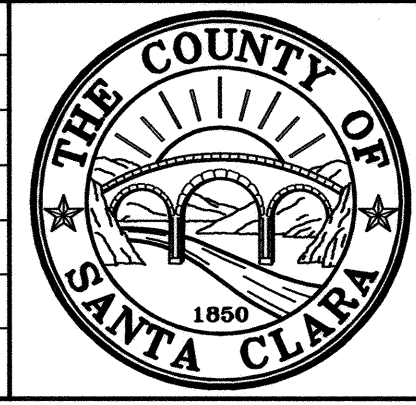
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**GN**

SHT No.  
**2** OF **35**

Scale  
AS SHOWN



NO.	REVISIONS	BY	DATE	APP'D



**COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT**

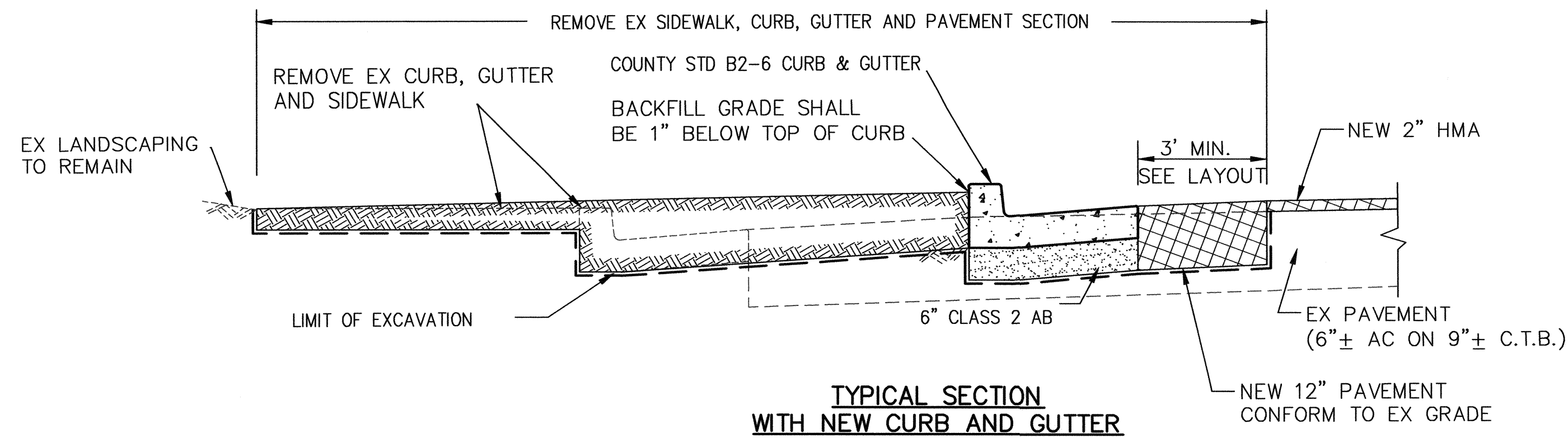
DESIGNED CL 06-2022	DATE 06-2022	SUBMITTED CHRISTINE LI, P.E. ASSOCIATE CIVIL ENGINEER	APPROVED ROCELIA KMAK, P.E. PRINCIPAL CIVIL ENGINEER
DRAWN PP 06-2022	DATE 06-2022	CHECKED CHRISTINE LI 6/21/2022	DATE ROCELIA KMAK 6/21/22

REGISTERED PROFESSIONAL ENGINEER  
 CHRISTINE LI  
 No. C63177  
 Exp. 6-30-24  
 CIVIL  
 STATE OF CALIFORNIA

**INTERSECTION IMPROVEMENTS AT  
 ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
 DETAILS**

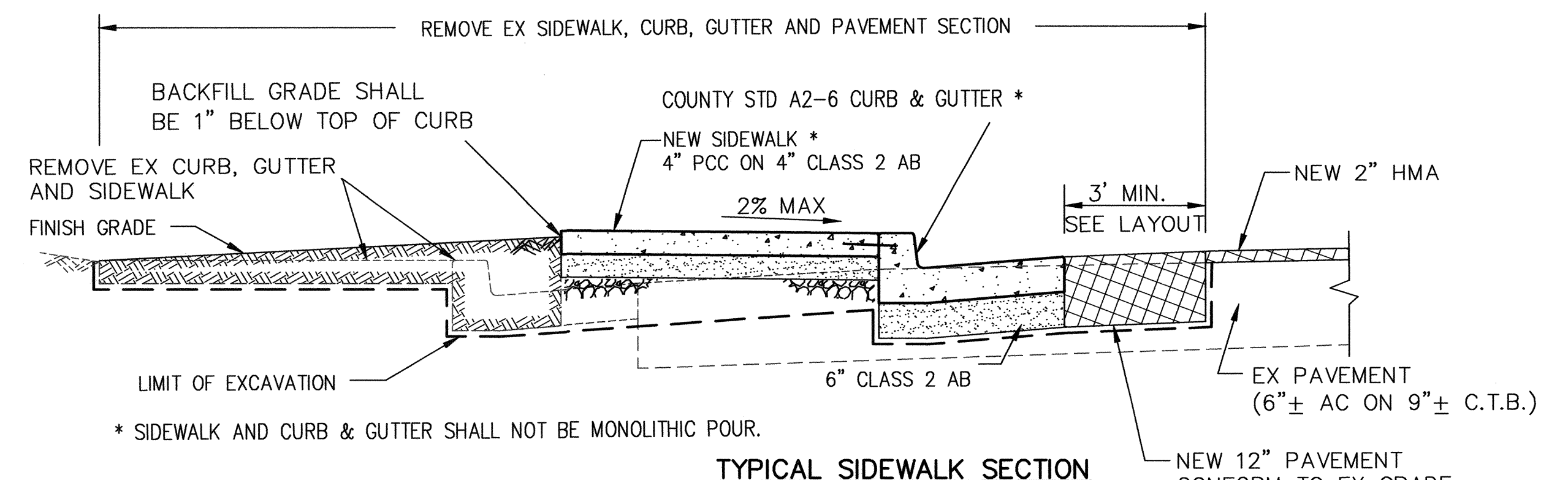
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 ADVERTISEMENT DATE:  
 CONTRACT No.  
 FILE No.

DRAWING No.  
**DET-1**  
 SHIT No.  
**3 OF 35**  
 Scale  
 AS SHOWN



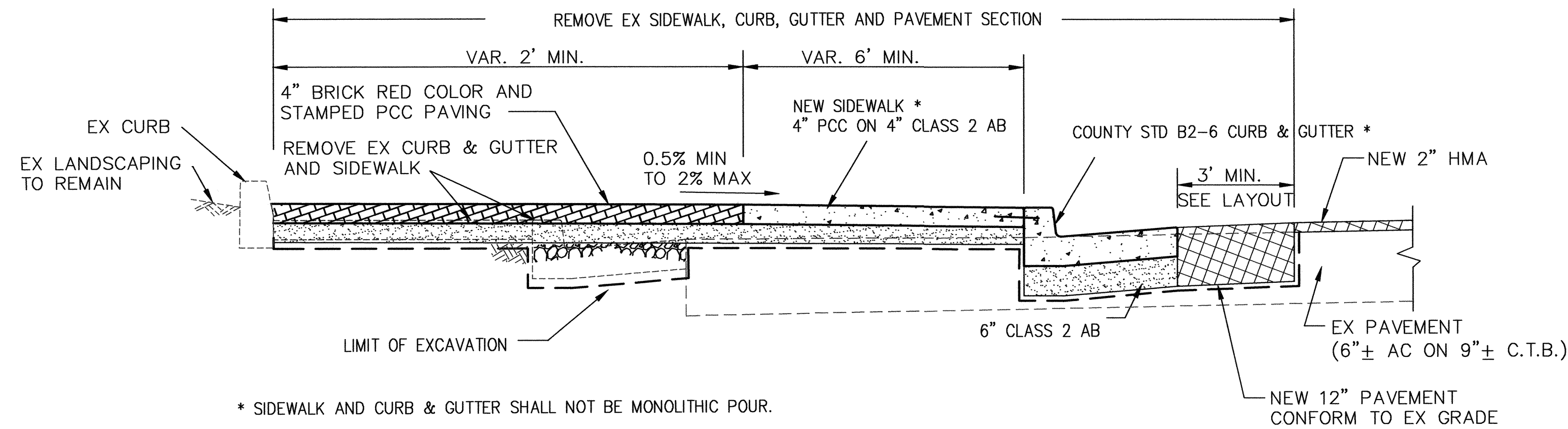
**TYPICAL SECTION WITH NEW CURB AND GUTTER**

DETAIL 1  
SCALE: NTS



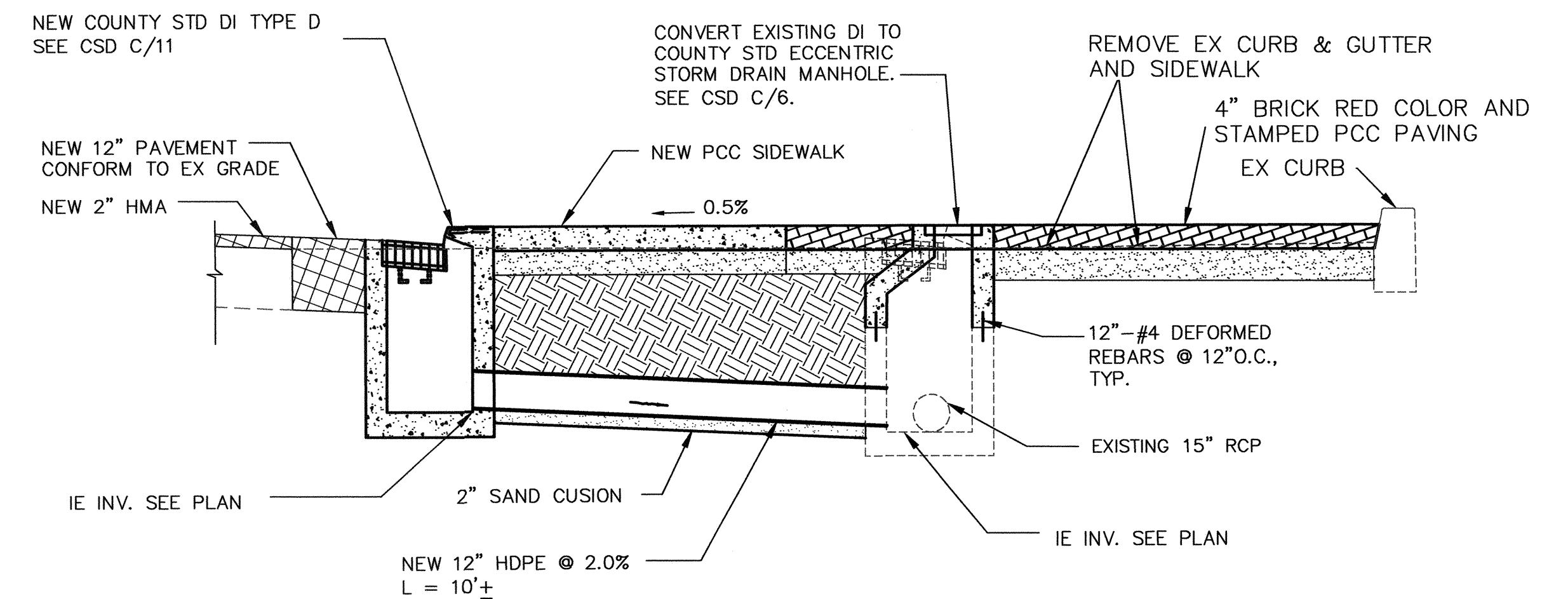
**TYPICAL SIDEWALK SECTION WITH NEW CURB AND GUTTER**

DETAIL 3  
SCALE: NTS



**TYPICAL SIDEWALK SECTION WITH NEW CURB AND GUTTER**

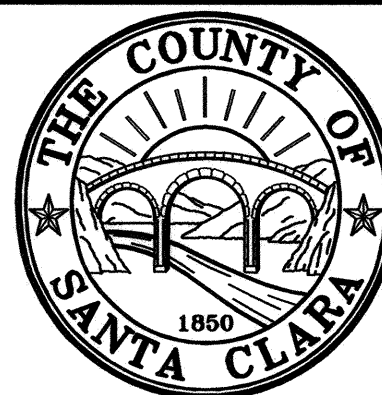
DETAIL 2  
SCALE: NTS



**CONVERT EX DI TO MANHOLE AND INSTALL NEW DI**

DETAIL 4  
SCALE: NTS

NO.	REVISIONS	BY	DATE	APP'D

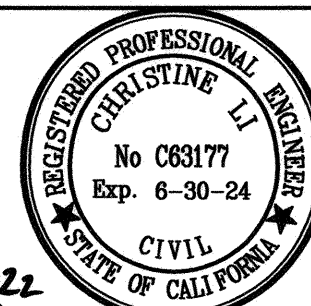


**COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT**

DESIGNED: CL 06-2022  
 DRAWN: CL 06-2022  
 CHECKED: PP 06-2022

SUBMITTED: CHRISTINE LI, P.E.  
 ASSOCIATE CIVIL ENGINEER

christine.li 6/21/2022



APPROVED: ROCELIA KMAK, P.E.  
 PRINCIPAL CIVIL ENGINEER

ROCelia Kmak 6/21/22

**INTERSECTION IMPROVEMENTS AT  
 ALMADEN EXPRESSWAY AND CAMDEN AVENUE**

**DETAILS**

WORK ORDER No. C.3399

ADVERTISEMENT DATE:

CONTRACT No.

FILE No.

DRAWING No.

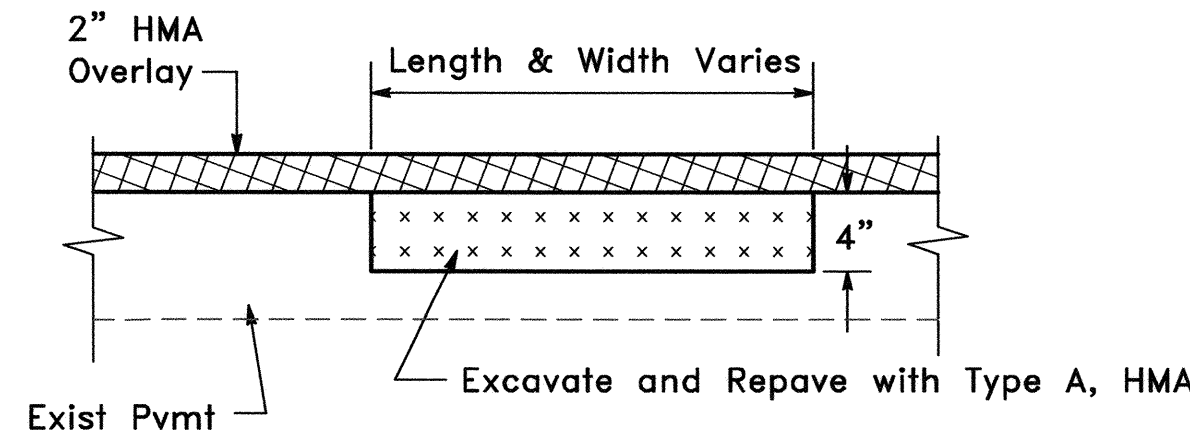
**DET-2**

SHT No. 4 OF 35

Scale AS SHOWN

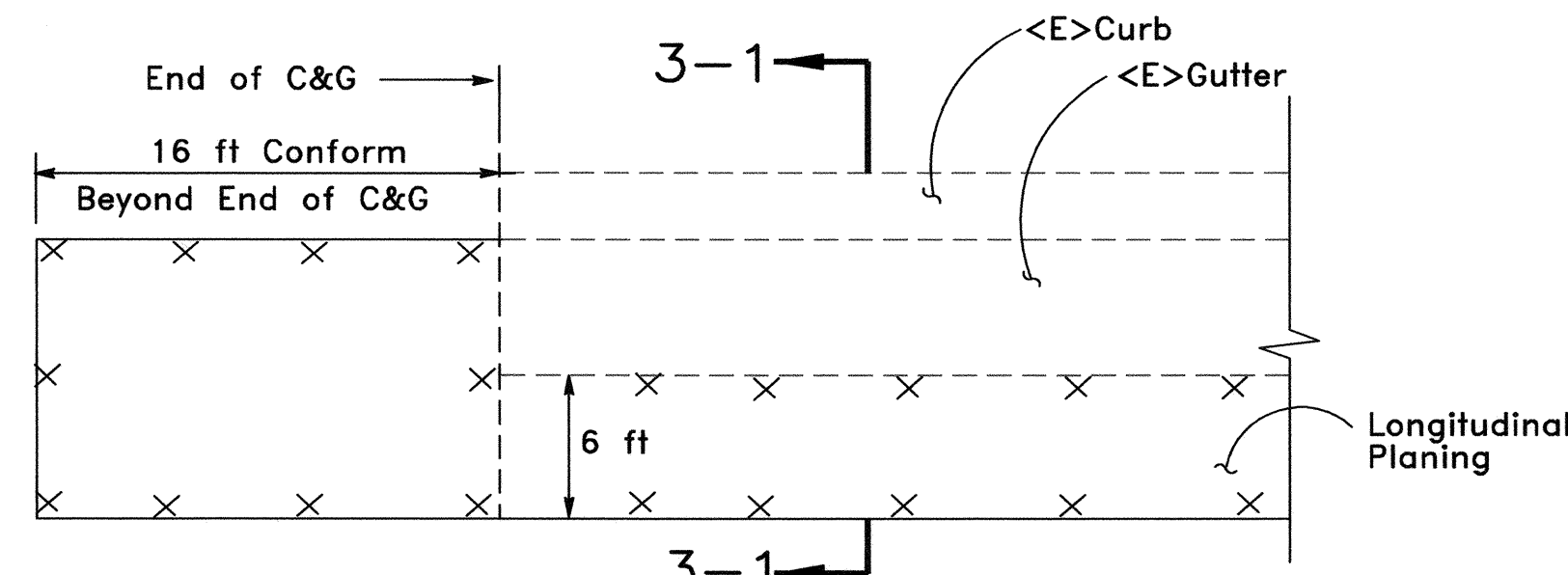
**NOTES:**

- PAVEMENT REPAIR DEPTH IS 4 INCHES.
- PAVEMENT REPAIR LOCATION SHOWN ON THE PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS ARE MARKED IN THE FIELD. THE ENGINEER MAY CHANGE MEASUREMENTS OF DIGOUT IN THE FIELD.
- USE TYPE A—MODIFIED HOT MIX ASPHALT (HMA) FOR PAVEMENT REPAIR & OVERLAY. OVERLAY SHALL BE PLACED TO THE FULL LANE WIDTH.
- CONTRACTOR SHALL REPLACE ALL DAMAGED DETECTOR LOOPS WITHIN 24 HOURS. REFER TO SPECIAL PROVISIONS FOR DETAILS ON DETECTOR LOOPS AND DETECTOR HANDHOLE REPLACEMENT AND INSTALLATION.
- MANHOLES, WATER METERS/VALVES, MONUMENTS AND LOOP DETECTOR LOCATIONS ARE APPROXIMATE ONLY. PRIOR TO PAVING, CONTRACTOR SHALL MARK A REFERENCE POINT OUTSIDE THE PAVING AREA FOR RELOCATING ALL MANHOLES, UTILITY BOXES, DETECTOR HANDHOLES AFTER PAVING WORK.
- EXTEND GRINDING AT LEAST 16 FEET PAST END OF EXISTING CURB & GUTTER.
- AT END OF DAYS OPERATION, ALL UNPAVED PAVING CONFORM AND AROUND EXISTING INLETS SHALL BE PROVIDED WITH AT LEAST 3 FEET TEMPORARY HMA TAPER. TEMPORARY TAPER SHALL BE REMOVED PRIOR TO THE NEXT PAVING OPERATION.
- WIDTH OF LONGITUDINAL CONFORM/PLANING SHALL BE LIMITED TO THE SHOULDER STRIPE.
- THE FINAL 2" OF LIFT FOR HMA PAVEMENT SECTION SHALL BE PLACED AT THE SAME TIME HMA OVERLAY.
- ALL THERMPLASTIC PAVEMENT MARKINGS, STOP BARS AND CROSSWALKS, AND ALL PAVEMENT MARKERS SHALL BE REMOVED PRIOR TO OVERLAY.
- NEW TRAFFIC STRIPES, PAVEMENT MARKINGS, AND PAVEMENT MARKERS SHALL REPLACE THE EXISTING STRIPES AND MARKERS, IN THEIR EXISTING LOCATIONS UNLESS SHOWN OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- THE EXACT LOCATION OF CONFORMS WILL BE DETERMINED BY THE ENGINEER/INSPECTOR IN THE FIELD.



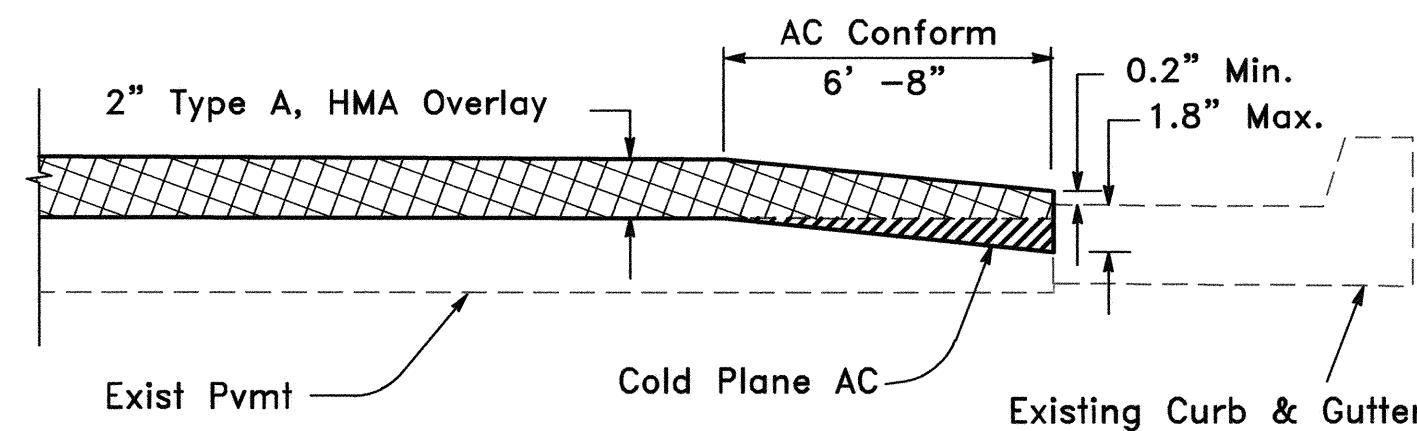
**PAVEMENT REPAIR (DIGOUT & PATCH) DETAIL**

DETAIL 1  
SCALE: NTS

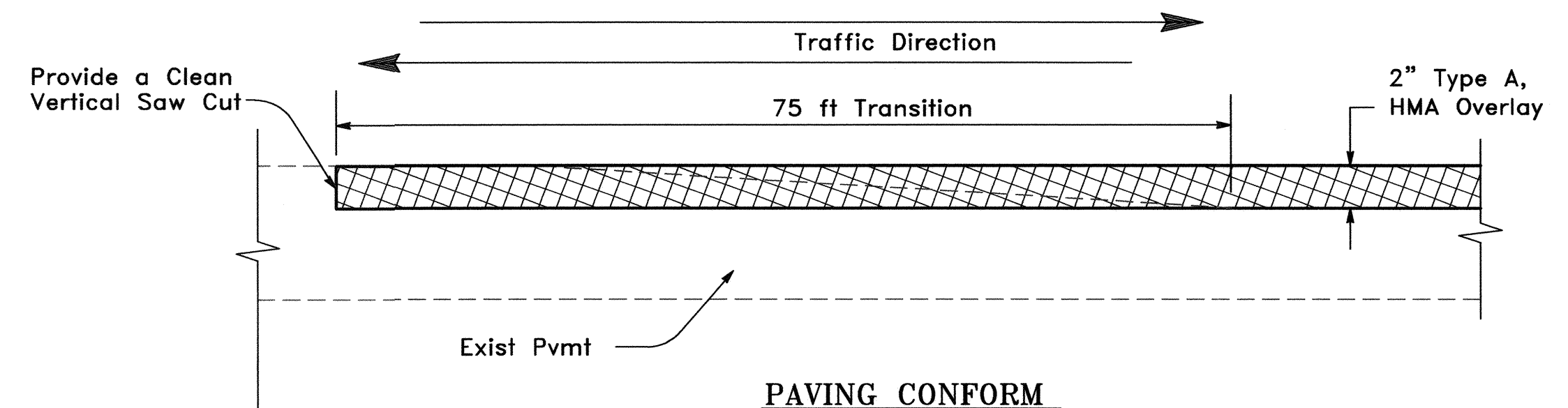


**PLAN VIEW: COLD PLANE CONFORM AT END OF CURB & GUTTER**

DETAIL 3  
SCALE: NTS

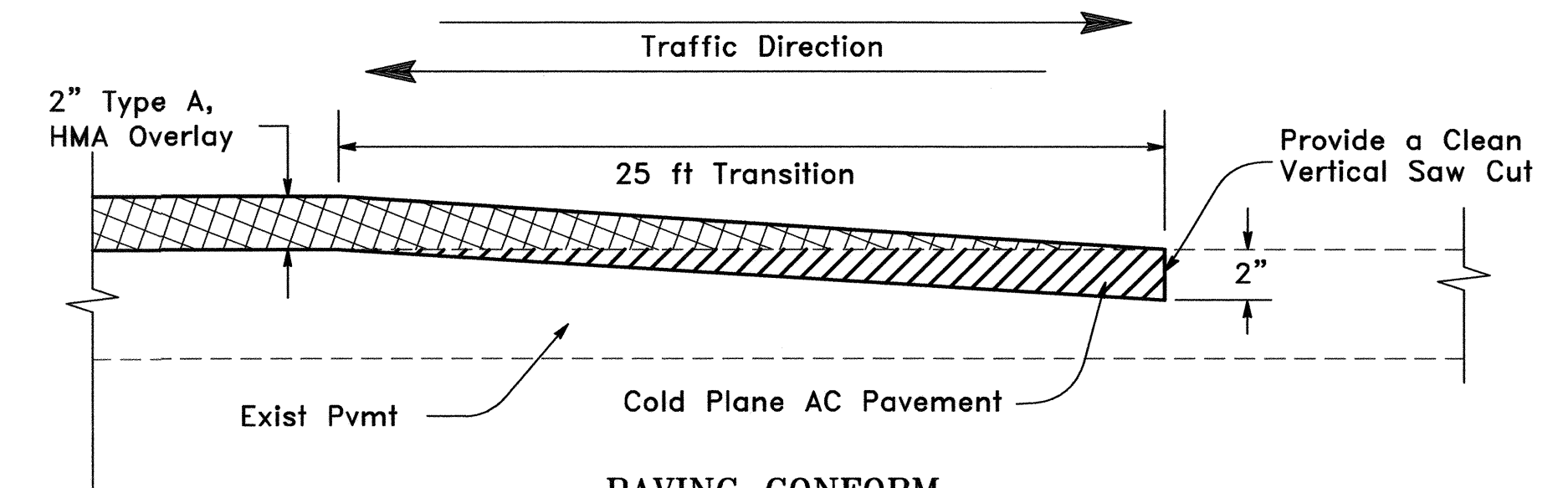


**SECTION 3-1**



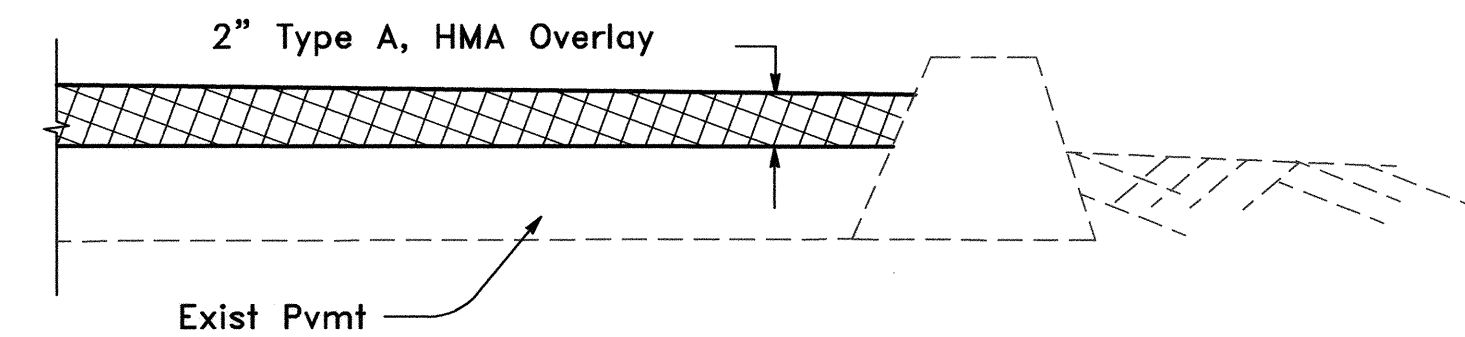
**PAVING CONFORM BEGINNING & END OF OVERLAY ON EXPRESSWAY**

DETAIL 2  
SCALE: NTS



**PAVING CONFORM CROSS STREETS**

DETAIL 4  
SCALE: NTS



**PAVING WHERE CURB/AC DIKE IS EXISTING**

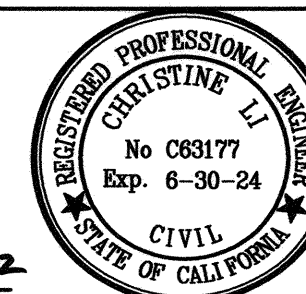
DETAIL 5  
SCALE: NTS

NO.	REVISIONS	BY	DATE	APP'D



**COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT**

DESIGNED: CL 06-2022  
 DRAWN: CL 06-2022  
 CHECKED: PP 06-2022  
 SUBMITTED: CHRISTINE LI, P.E. ASSOCIATE CIVIL ENGINEER  
 DATE: 6/21/2022



APPROVED: ROCELIA KMAK, P.E. PRINCIPAL CIVIL ENGINEER  
 DATE: 6/21/22

**INTERSECTION IMPROVEMENTS AT ALMADEN EXPRESSWAY AND CAMDEN AVENUE**

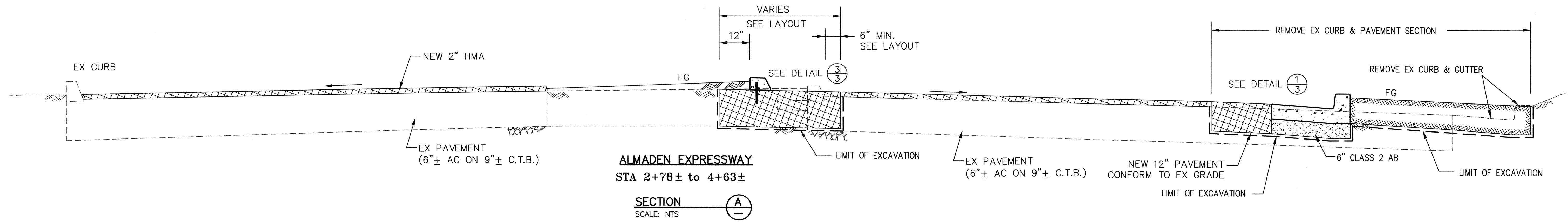
**DETAILS**

WORK ORDER No. C3399  
 ADVERTISEMENT DATE: \_\_\_\_\_  
 CONTRACT No. \_\_\_\_\_  
 FILE No. \_\_\_\_\_

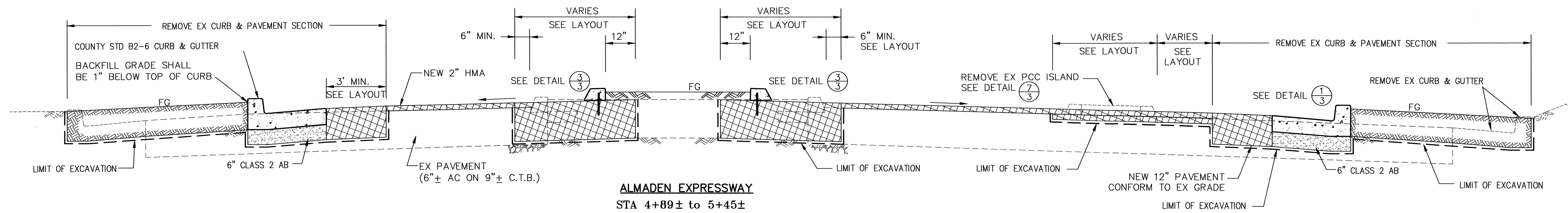
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SHEET No. **5** OF **35**

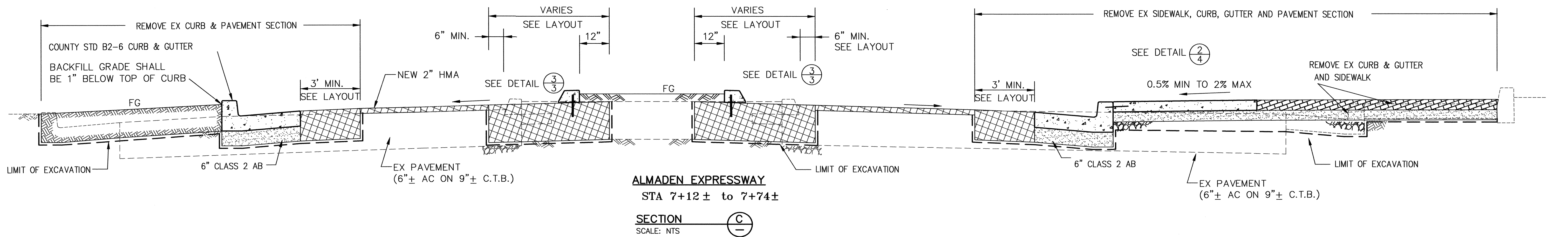
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**ALMADEN EXPRESSWAY**  
 STA 2+78± to 4+63±  
 SECTION A  
 SCALE: NTS



**ALMADEN EXPRESSWAY**  
 STA 4+89± to 5+45±  
 SECTION B  
 SCALE: NTS



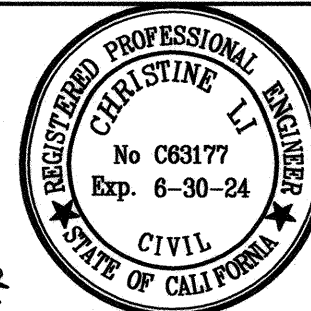
**ALMADEN EXPRESSWAY**  
 STA 7+12± to 7+74±  
 SECTION C  
 SCALE: NTS

NO.	REVISIONS	BY	DATE	APP'D



**COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT**

DESIGNED: CL 06-2022  
 DATE: 06-2022  
 DRAWN: PP 06-2022  
 CHECKED: [Signature] 6/21/2022

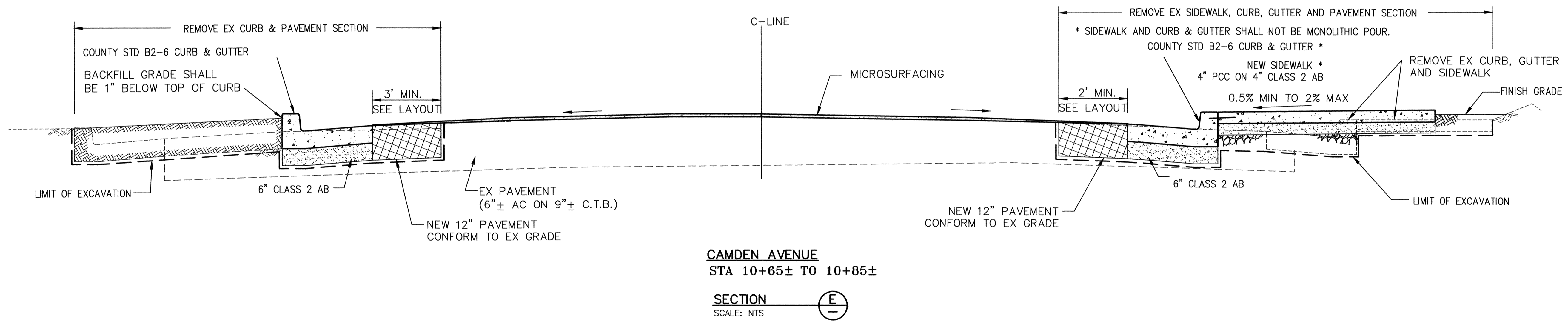
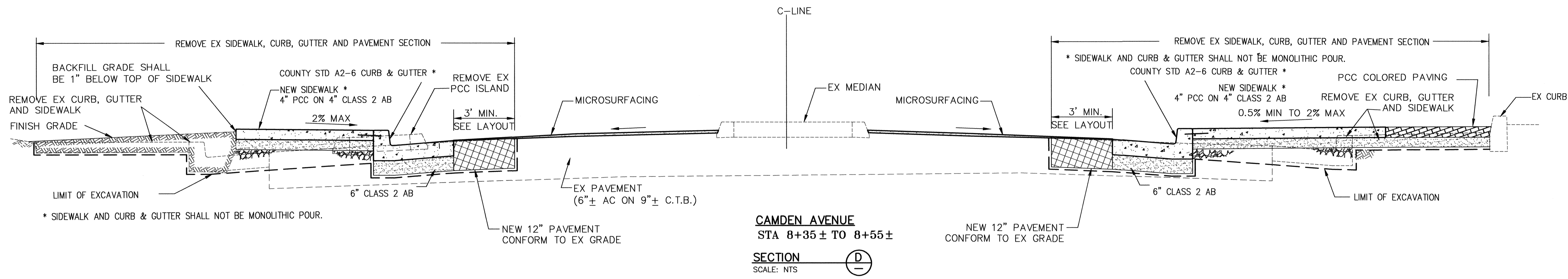


SUBMITTED: CHRISTINE LI, P.E.  
 ASSOCIATE CIVIL ENGINEER  
 APPROVED: ROCELIA KMAK, P.E.  
 PRINCIPAL CIVIL ENGINEER  
 [Signature] 6/21/22

**INTERSECTION IMPROVEMENTS AT  
 ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
 TYPICAL SECTIONS**

WORK ORDER No. C3399  
 ADVERTISEMENT DATE:  
 CONTRACT No.  
 FILE No.

DRAWING No. **TX-1**  
 SHEET No. **6** OF **35**  
 Scale: AS SHOWN



NO.	REVISIONS	BY	DATE	APP'D



**COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT**

DESIGNED: CL	DATE: 06-2022	SUBMITTED: CHRISTINE LI, P.E.	DATE: 06-2022
DRAWN: PP	DATE: 06-2022	ASSOCIATE CIVIL ENGINEER	DATE: 06-2022
CHECKED: PP	DATE: 06-2022	<i>Christine Li</i> 6/21/2022	DATE: 6/21/22

APPROVED: ROCELIA KMAK, P.E. PRINCIPAL CIVIL ENGINEER  
*Rocelia Kmak* 6/21/22

REGISTERED PROFESSIONAL ENGINEER  
CHRISTINE LI  
No. CB3177  
Exp. 6-30-24  
CIVIL  
STATE OF CALIFORNIA

**INTERSECTION IMPROVEMENTS AT  
ALMADEN EXPRESSWAY AND CAMDEN AVENUE**

**TYPICAL SECTIONS**

WORK ORDER No. C3399	ADVERTISEMENT DATE:	CONTRACT No.	FILE No.
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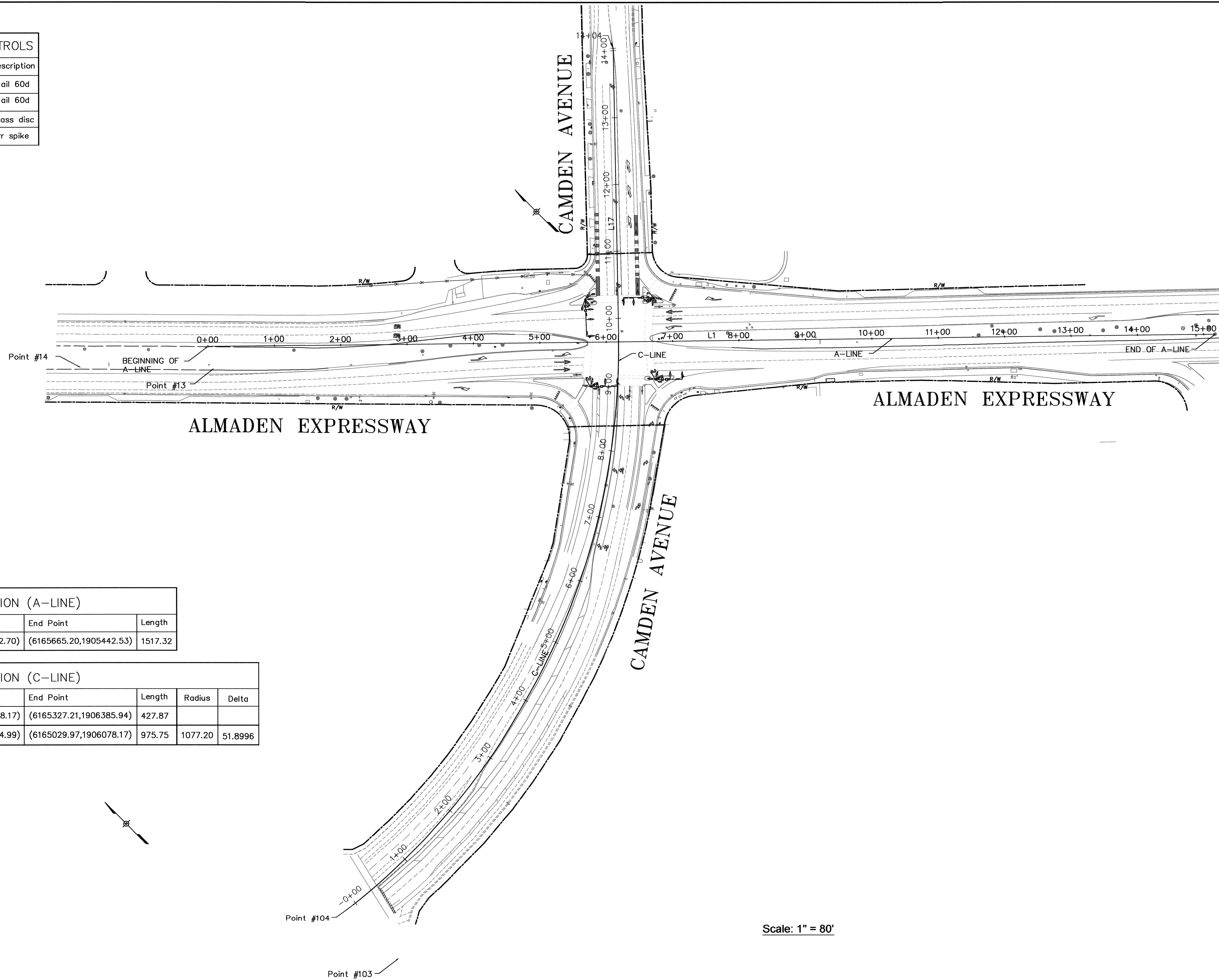
DRAWING No. **TX-2**

SHT No. **7** OF **35**

Scale: AS SHOWN

HORIZONTAL AND VERTICAL CONTROLS

Point #	Northing	Easting	Elevation	Description
13	1906472.40	6164561.50	240.53	nail 60d
14	1906615.74	6164421.26	239.49	nail 60d
103	1905647.99	6164129.18	241.84	brass disc
104	1905754.99	6164144.37	242.16	rr spike



STATION INFORMATION (A-LINE)				
Line #	Direction	Start Point	End Point	Length
L1	S45° 40' 33.53"E	(6164579.71,1906502.70)	(6165665.20,1905442.53)	1517.32

STATION INFORMATION (C-LINE)						
Line #	Direction	Start Point	End Point	Length	Radius	Delta
L17	N44° 00' 07.66"E	(6165029.97,1906078.17)	(6165327.21,1906385.94)	427.87		
C27	N69° 57' 06.86"E	(6164144.37,1905754.99)	(6165029.97,1906078.17)	975.75	1077.20	51.8996

Scale: 1" = 80'

NO.	REVISIONS	BY	DATE	APP'D



COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT

CL DESIGNED 06-2022 CL DRAWN 06-2022 PP CHECKED 06-2022	SUBMITTED: CHRISTINE LI, P.E. ASSOCIATE CIVIL ENGINEER DATE: 6/21/2022		APPROVED: ROCELIA KMAK, P.E. PRINCIPAL CIVIL ENGINEER DATE: 6/21/22
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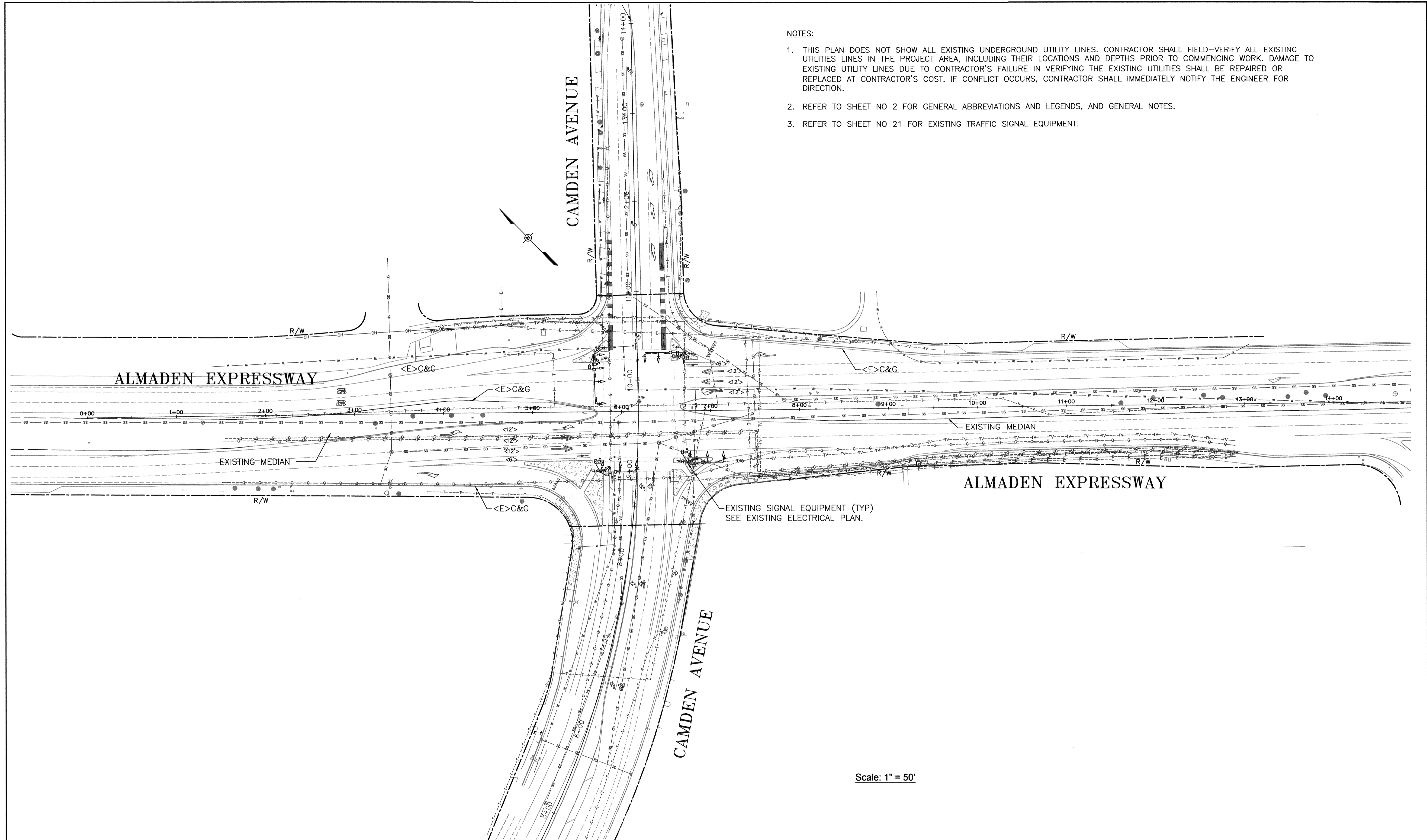
INTERSECTION IMPROVEMENTS AT ALMADEN EXPRESSWAY AND CAMDEN AVENUE SURVEY CONTROL DATA			
WORK ORDER No. C3399	ADVERTISEMENT DATE:	CONTRACT No.	FILE No.

DRAWING No.	<b>SC-1</b>
SHEET No.	<b>8 OF 35</b>
Scale	AS SHOWN


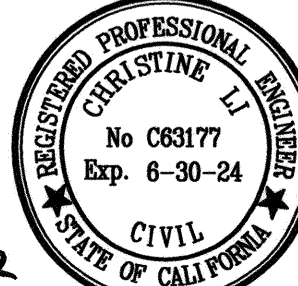


**NOTES:**

1. THIS PLAN DOES NOT SHOW ALL EXISTING UNDERGROUND UTILITY LINES. CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING UTILITIES LINES IN THE PROJECT AREA, INCLUDING THEIR LOCATIONS AND DEPTHS PRIOR TO COMMENCING WORK. DAMAGE TO EXISTING UTILITY LINES DUE TO CONTRACTOR'S FAILURE IN VERIFYING THE EXISTING UTILITIES SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S COST. IF CONFLICT OCCURS, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER FOR DIRECTION.
2. REFER TO SHEET NO 2 FOR GENERAL ABBREVIATIONS AND LEGENDS, AND GENERAL NOTES.
3. REFER TO SHEET NO 21 FOR EXISTING TRAFFIC SIGNAL EQUIPMENT.








Scale: 1" = 50'

					<b>COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT</b>					<b>INTERSECTION IMPROVEMENTS AT ALMADEN EXPRESSWAY AND CAMDEN AVENUE EXISTING CONDITIONS</b>				DRAWING No. <b>EX-1</b>	
														SHT No. <b>9</b> OF <b>35</b>	
NO.	REVISIONS	BY	DATE	APP'D	CL DESIGNED 06-2022 CL DRAWN 06-2022 PP CHECKED 06-2022	CHRISTINE LI, P.E. ASSOCIATE CIVIL ENGINEER <i>Christine Li</i> 6/21/2022		APPROVED: ROCELIA KMAK, P.E. PRINCIPAL CIVIL ENGINEER <i>Rocelia Kmak</i> 6/21/2022	WORK ORDER No. C3399	ADVERTISEMENT DATE:	CONTRACT No.	FILE No.			

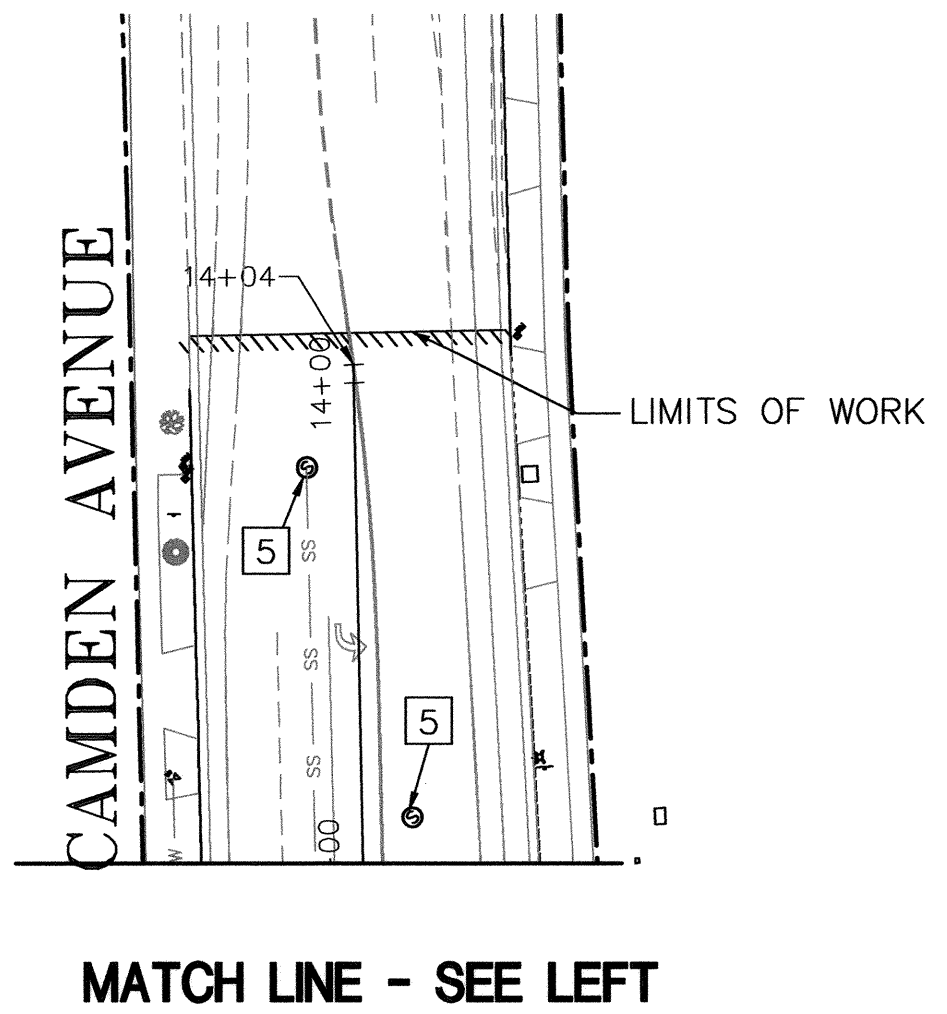
**NOTES:**

1. FOR REMOVAL AND RELOCATION OF ALL ROADWAY SIGNAGE, REFER TO S DRAWINGS.
2. FOR REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT, REFER TO E DRAWINGS.
3. FOR REMOVAL OR MODIFICATION TO EXISTING UTILITIES. REFER TO EX AND GD DRAWINGS..

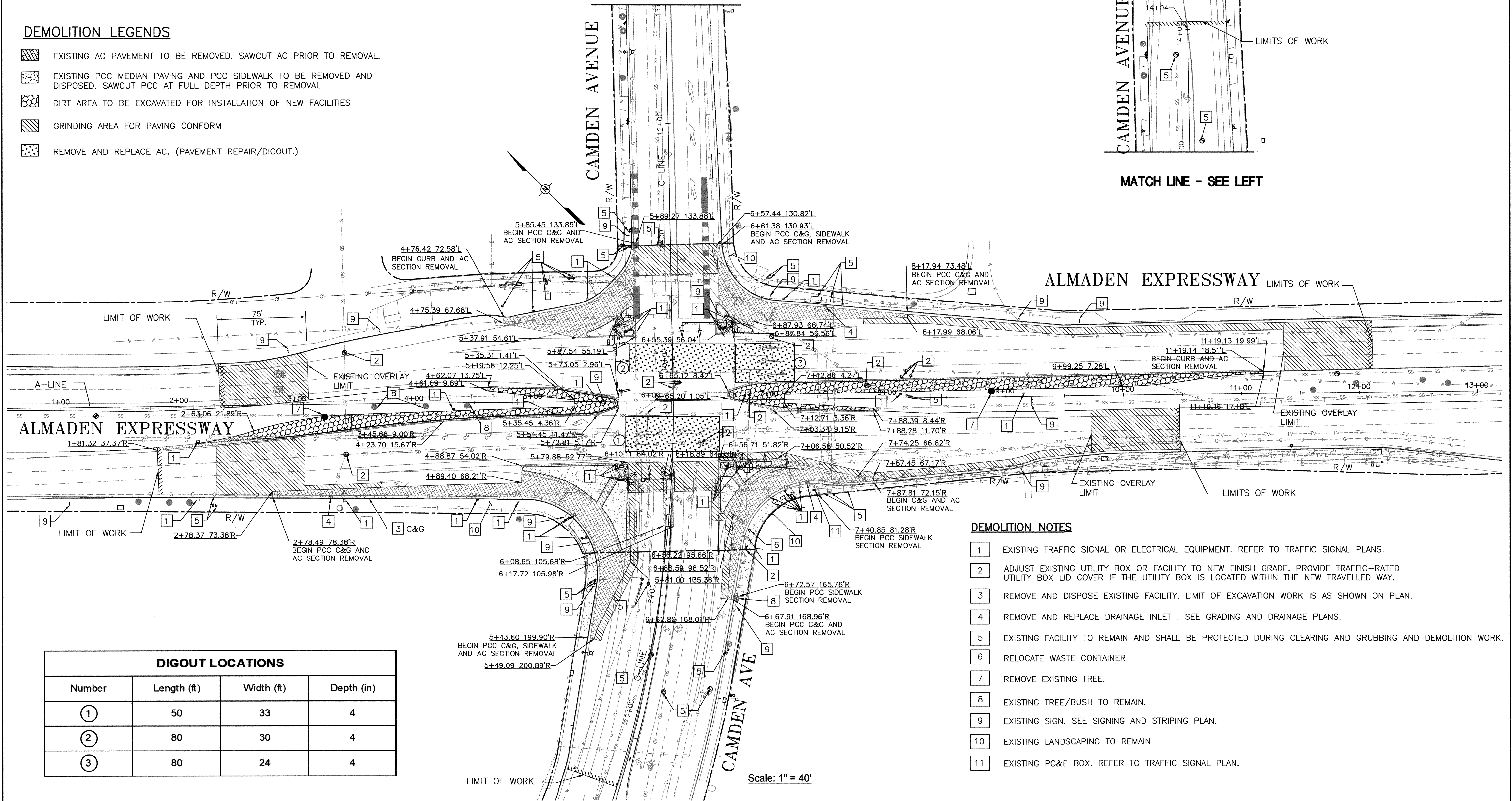
**DEMOLITION LEGENDS**

-  EXISTING AC PAVEMENT TO BE REMOVED. SAWCUT AC PRIOR TO REMOVAL.
-  EXISTING PCC MEDIAN PAVING AND PCC SIDEWALK TO BE REMOVED AND DISPOSED. SAWCUT PCC AT FULL DEPTH PRIOR TO REMOVAL
-  DIRT AREA TO BE EXCAVATED FOR INSTALLATION OF NEW FACILITIES
-  GRINDING AREA FOR PAVING CONFORM
-  REMOVE AND REPLACE AC. (PAVEMENT REPAIR/DIGOUT.)

MATCH LINE - SEE RIGHT



MATCH LINE - SEE LEFT



**DEMOLITION NOTES**

- 1 EXISTING TRAFFIC SIGNAL OR ELECTRICAL EQUIPMENT. REFER TO TRAFFIC SIGNAL PLANS.
- 2 ADJUST EXISTING UTILITY BOX OR FACILITY TO NEW FINISH GRADE. PROVIDE TRAFFIC-RATED UTILITY BOX LID COVER IF THE UTILITY BOX IS LOCATED WITHIN THE NEW TRAVELLED WAY.
- 3 REMOVE AND DISPOSE EXISTING FACILITY. LIMIT OF EXCAVATION WORK IS AS SHOWN ON PLAN.
- 4 REMOVE AND REPLACE DRAINAGE INLET . SEE GRADING AND DRAINAGE PLANS.
- 5 EXISTING FACILITY TO REMAIN AND SHALL BE PROTECTED DURING CLEARING AND GRUBBING AND DEMOLITION WORK.
- 6 RELOCATE WASTE CONTAINER
- 7 REMOVE EXISTING TREE.
- 8 EXISTING TREE/BUSH TO REMAIN.
- 9 EXISTING SIGN. SEE SIGNING AND STRIPING PLAN.
- 10 EXISTING LANDSCAPING TO REMAIN
- 11 EXISTING PG&E BOX. REFER TO TRAFFIC SIGNAL PLAN.

DIGOUT LOCATIONS			
Number	Length (ft)	Width (ft)	Depth (in)
1	50	33	4
2	80	30	4
3	80	24	4

Scale: 1" = 40'

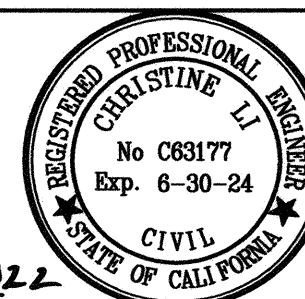
NO.	REVISIONS	BY	DATE	APP'D



**COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT**

CL 06-2022  
 DESIGNED DATE  
 CL 06-2022  
 DRAWN DATE  
 PP 06-2022  
 CHECKED DATE

SUBMITTED:  
 CHRISTINE LI, P.E.  
 ASSOCIATE CIVIL ENGINEER



APPROVED:  
 ROCELIA KMAK, P.E.  
 PRINCIPAL CIVIL ENGINEER

*Christine Li* 6/21/2022 *Rocelia Kmak* 6/21/22

**INTERSECTION IMPROVEMENTS AT  
 ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
 DEMOLITION PLAN**

WORK ORDER No. C3399 ADVERTISEMENT DATE: CONTRACT No. FILE No. Scale AS SHOWN

DRAWING No.

**DE-1**

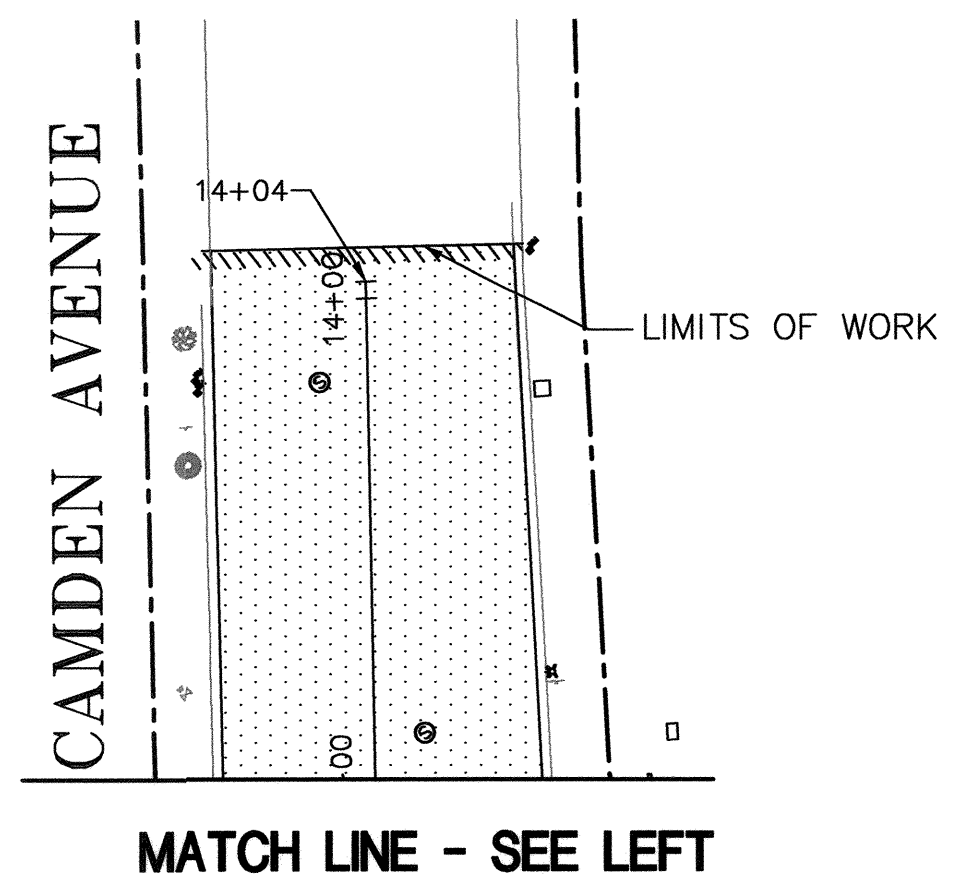
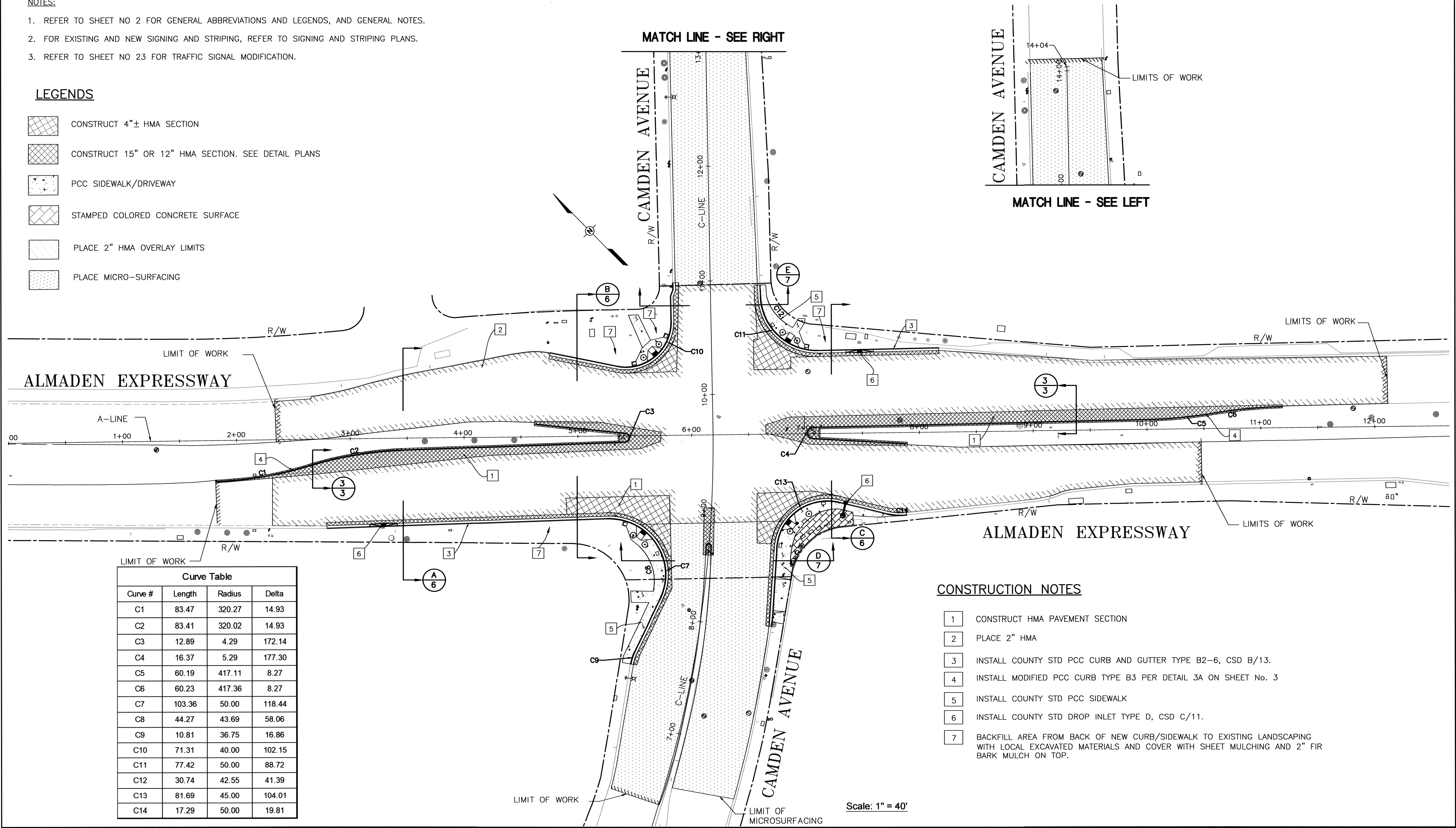
SHEET No. **10** OF **35**

**NOTES:**

1. REFER TO SHEET NO 2 FOR GENERAL ABBREVIATIONS AND LEGENDS, AND GENERAL NOTES.
2. FOR EXISTING AND NEW SIGNING AND STRIPING, REFER TO SIGNING AND STRIPING PLANS.
3. REFER TO SHEET NO 23 FOR TRAFFIC SIGNAL MODIFICATION.

**LEGENDS**

- CONSTRUCT 4"± HMA SECTION
- CONSTRUCT 15" OR 12" HMA SECTION. SEE DETAIL PLANS
- PCC SIDEWALK/DRIVEWAY
- STAMPED COLORED CONCRETE SURFACE
- PLACE 2" HMA OVERLAY LIMITS
- PLACE MICRO-SURFACING



**Curve Table**

Curve #	Length	Radius	Delta
C1	83.47	320.27	14.93
C2	83.41	320.02	14.93
C3	12.89	4.29	172.14
C4	16.37	5.29	177.30
C5	60.19	417.11	8.27
C6	60.23	417.36	8.27
C7	103.36	50.00	118.44
C8	44.27	43.69	58.06
C9	10.81	36.75	16.86
C10	71.31	40.00	102.15
C11	77.42	50.00	88.72
C12	30.74	42.55	41.39
C13	81.69	45.00	104.01
C14	17.29	50.00	19.81

**CONSTRUCTION NOTES**

- 1 CONSTRUCT HMA PAVEMENT SECTION
- 2 PLACE 2" HMA
- 3 INSTALL COUNTY STD PCC CURB AND GUTTER TYPE B2-6, CSD B/13.
- 4 INSTALL MODIFIED PCC CURB TYPE B3 PER DETAIL 3A ON SHEET No. 3
- 5 INSTALL COUNTY STD PCC SIDEWALK
- 6 INSTALL COUNTY STD DROP INLET TYPE D, CSD C/11.
- 7 BACKFILL AREA FROM BACK OF NEW CURB/SIDEWALK TO EXISTING LANDSCAPING WITH LOCAL EXCAVATED MATERIALS AND COVER WITH SHEET MULCHING AND 2" FIR BARK MULCH ON TOP.

Scale: 1" = 40'

NO.	REVISIONS	BY	DATE	APP'D



**COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT**

DESIGNED CL 06-2022	DATE 06-2022	SUBMITTED CHRISTINE LI, P.E. ASSOCIATE CIVIL ENGINEER	APPROVED ROCELIA KMAK, P.E. PRINCIPAL CIVIL ENGINEER
DRAWN PP 06-2022	DATE 06-2022	CHECKED <i>Christine Li</i> 6/21/2022	<i>Rocelia Kmak</i> 6/21/22

REGISTERED PROFESSIONAL ENGINEER  
CHRISTINE LI  
No. C63177  
Exp. 6-30-24  
CIVIL  
STATE OF CALIFORNIA

**INTERSECTION IMPROVEMENTS AT  
ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
LAYOUT PLAN**

WORK ORDER No. C3399      ADVERTISEMENT DATE:      CONTRACT No.      FILE No.

DRAWING No.  
**L-1**


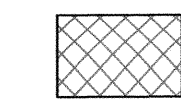
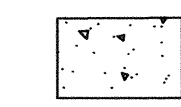
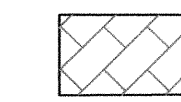
SHEET No.  
**11** OF **35**

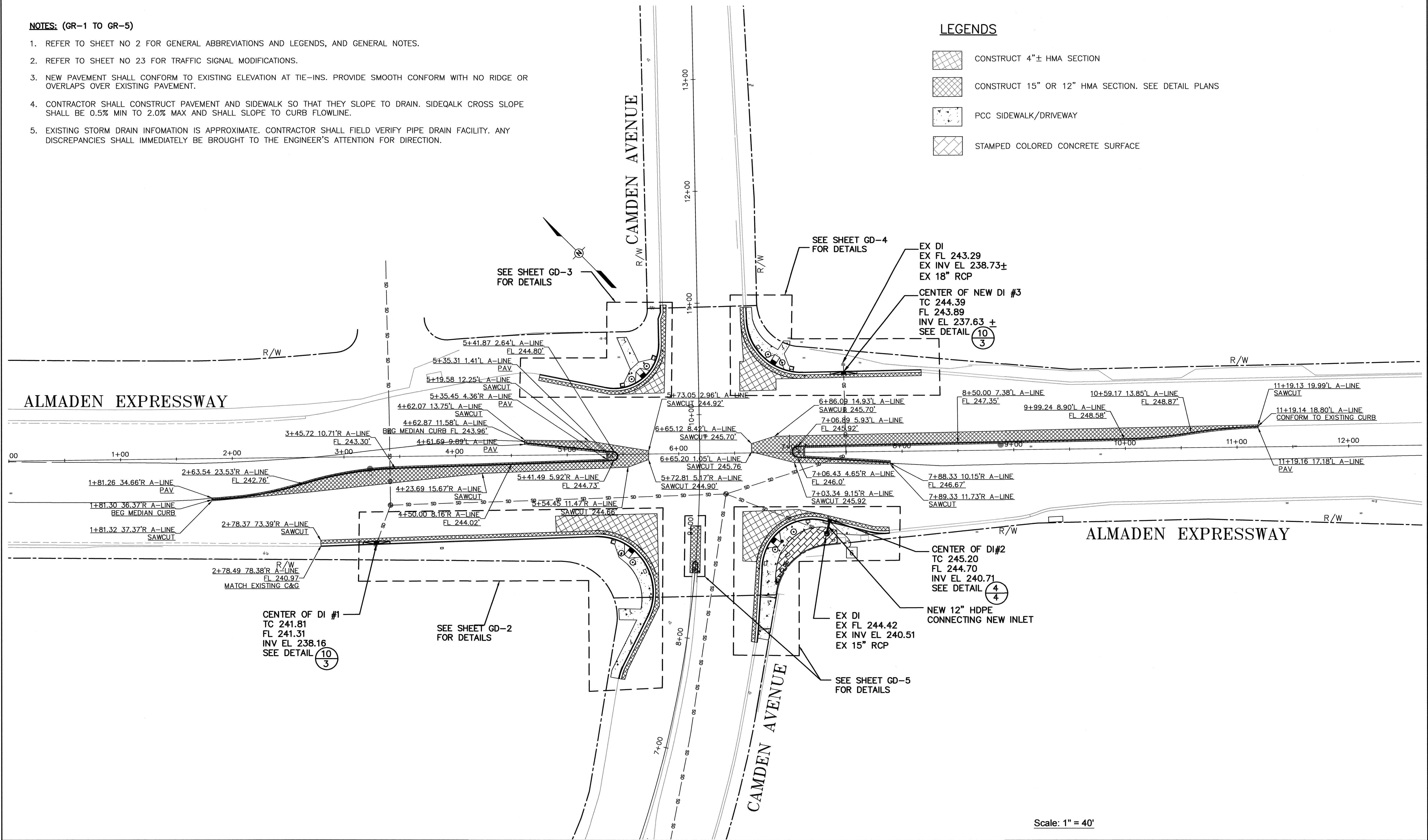
Scale  
AS SHOWN

**NOTES: (GR-1 TO GR-5)**

1. REFER TO SHEET NO 2 FOR GENERAL ABBREVIATIONS AND LEGENDS, AND GENERAL NOTES.
2. REFER TO SHEET NO 23 FOR TRAFFIC SIGNAL MODIFICATIONS.
3. NEW PAVEMENT SHALL CONFORM TO EXISTING ELEVATION AT TIE-INS. PROVIDE SMOOTH CONFORM WITH NO RIDGE OR OVERLAPS OVER EXISTING PAVEMENT.
4. CONTRACTOR SHALL CONSTRUCT PAVEMENT AND SIDEWALK SO THAT THEY SLOPE TO DRAIN. SIDEWALK CROSS SLOPE SHALL BE 0.5% MIN TO 2.0% MAX AND SHALL SLOPE TO CURB FLOWLINE.
5. EXISTING STORM DRAIN INFORMATION IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY PIPE DRAIN FACILITY. ANY DISCREPANCIES SHALL IMMEDIATELY BE BROUGHT TO THE ENGINEER'S ATTENTION FOR DIRECTION.

**LEGENDS**

-  CONSTRUCT 4"± HMA SECTION
-  CONSTRUCT 15" OR 12" HMA SECTION. SEE DETAIL PLANS
-  PCC SIDEWALK/DRIVEWAY
-  STAMPED COLORED CONCRETE SURFACE



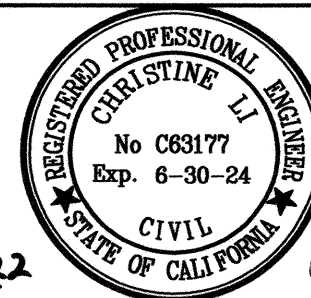
Scale: 1" = 40'

NO.	REVISIONS	BY	DATE	APP'D



**COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT**

CL DESIGNED 06-2022 DATE  
 CL DRAWN 06-2022 DATE  
 PP CHECKED 06-2022 DATE  
 CHRISTINE LI 6/21/2022

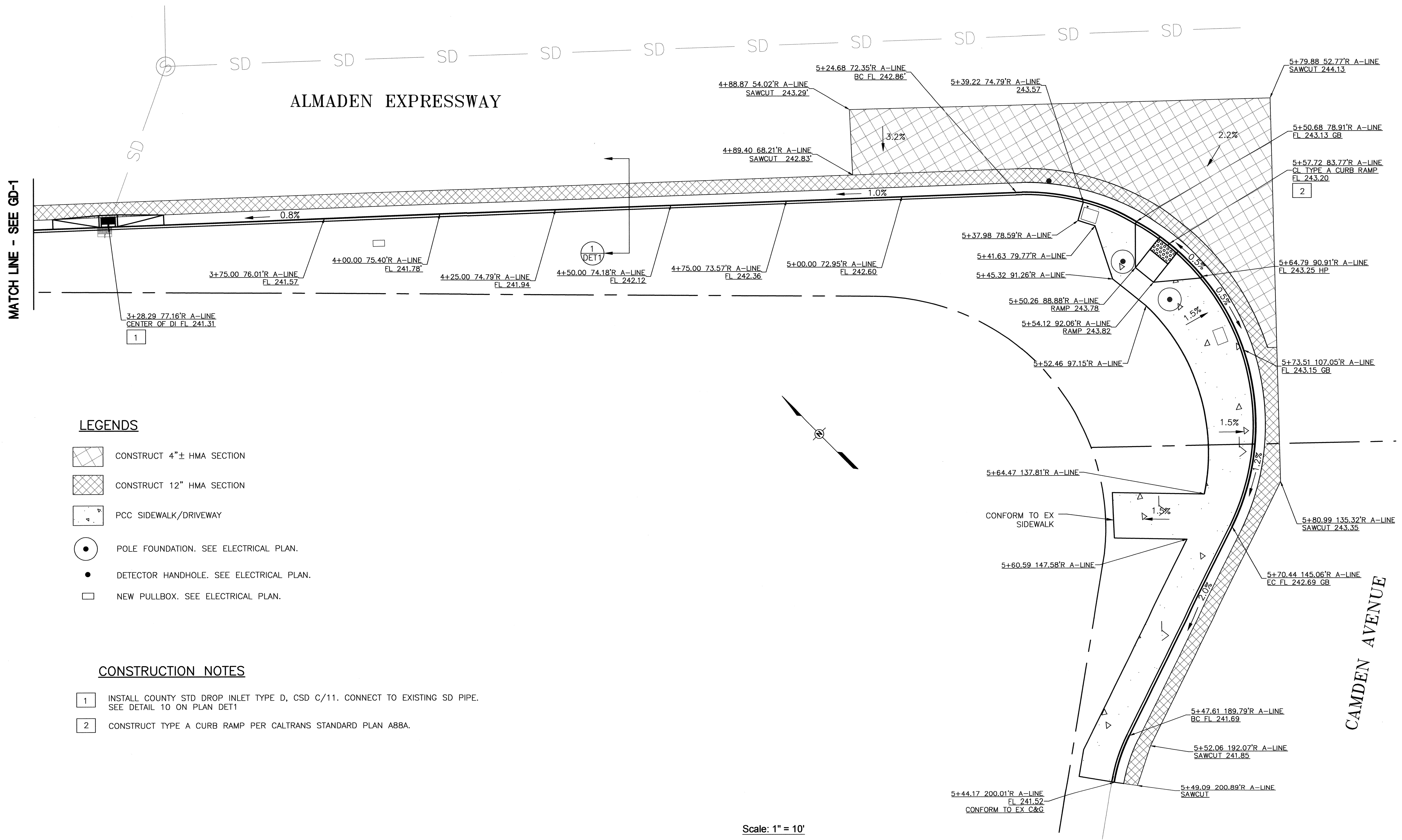


APPROVED: ROCELIA KMAK, P.E.  
 PRINCIPAL CIVIL ENGINEER  
 ROCCELIA KMAK 6/21/22

**INTERSECTION IMPROVEMENTS AT  
ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
GRADING AND DRAINAGE PLAN**

WORK ORDER No. C3399    ADVERTISEMENT DATE:    CONTRACT No.    FILE No.    Scale AS SHOWN

DRAWING No. **GD-1**  
 SHEET No. **12** OF **35**



**LEGENDS**

- CONSTRUCT 4"± HMA SECTION
- CONSTRUCT 12" HMA SECTION
- PCC SIDEWALK/DRIVEWAY
- POLE FOUNDATION. SEE ELECTRICAL PLAN.
- DETECTOR HANDHOLE. SEE ELECTRICAL PLAN.
- NEW PULLBOX. SEE ELECTRICAL PLAN.

**CONSTRUCTION NOTES**

- 1 INSTALL COUNTY STD DROP INLET TYPE D, CSD C/11. CONNECT TO EXISTING SD PIPE. SEE DETAIL 10 ON PLAN DET1
- 2 CONSTRUCT TYPE A CURB RAMP PER CALTRANS STANDARD PLAN A88A.

Scale: 1" = 10'

NO.	REVISIONS	BY	DATE	APP'D



**COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT**

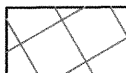

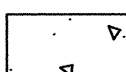




CL DESIGNED 06-2022 CL DRAWN 06-2022 PP CHECKED 06-2022	SUBMITTED: CHRISTINE LI, P.E. ASSOCIATE CIVIL ENGINEER 	APPROVED: ROCELIA KMAK, P.E. PRINCIPAL CIVIL ENGINEER 
	<i>Christine Li</i> 6/21/22	<i>Rocelia Kmak</i> 6/21/22

**INTERSECTION IMPROVEMENTS AT  
ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
GRADING AND DRAINAGE PLAN**

WORK ORDER No. C3399      ADVERTISEMENT DATE:      CONTRACT No.      FILE No.

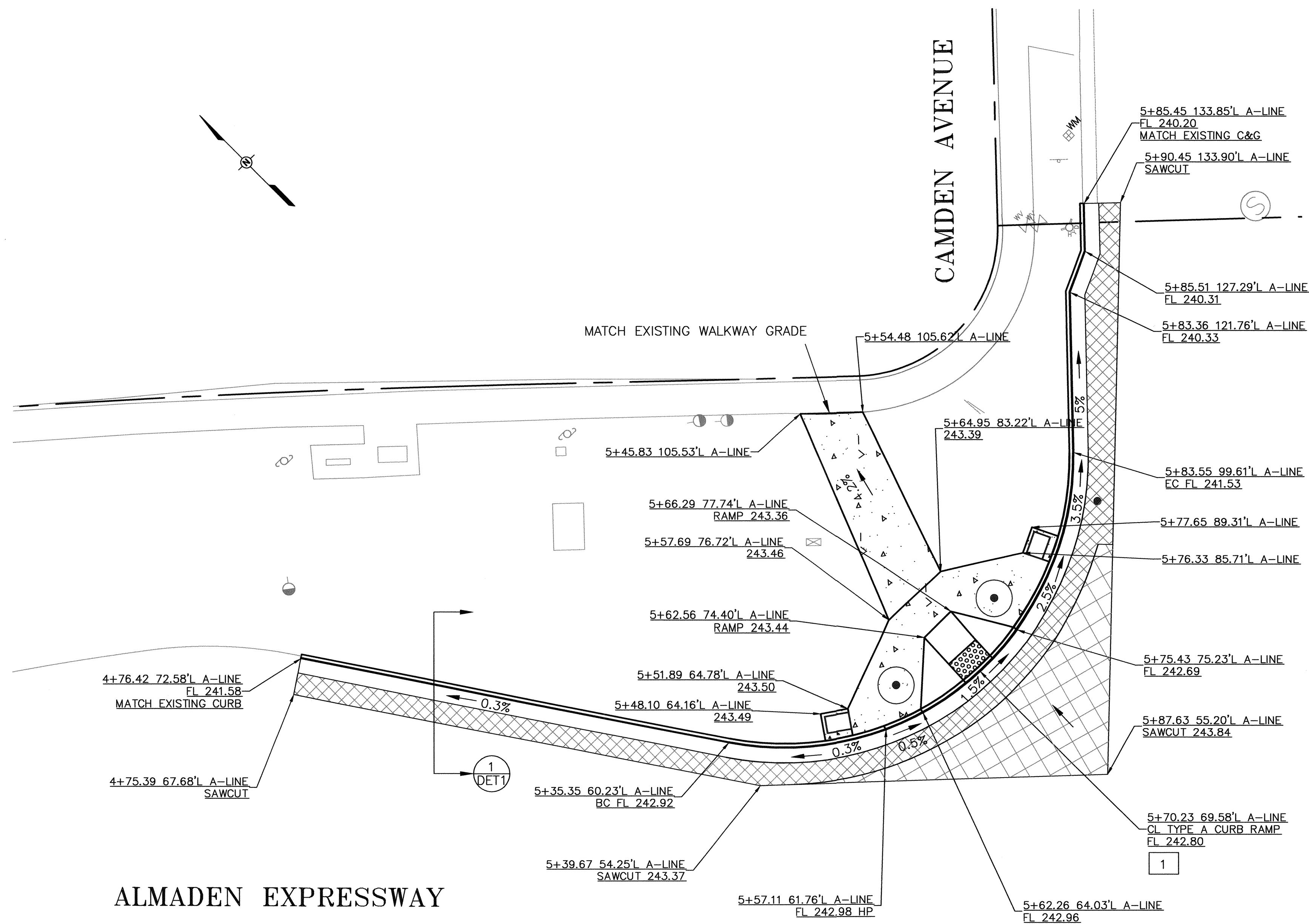
DRAWING No. **GD-2**  
 SHEET No. **13** OF **35**  
 Scale AS SHOWN

**LEGENDS**

-  CONSTRUCT 4"± HMA SECTION
-  CONSTRUCT 12" HMA SECTION
-  PCC SIDEWALK/DRIVEWAY
-  OR  POLE FOUNDATION. SEE ELECTRICAL PLAN.
-  DETECTOR HANDHOLE. SEE ELECTRICAL PLAN.
-  NEW PULLBOX. SEE ELECTRICAL PLAN.

**CONSTRUCTION NOTES**

- 1 CONSTRUCT TYPE A CURB RAMP PER CALTRANS STANDARD PLAN A88A.

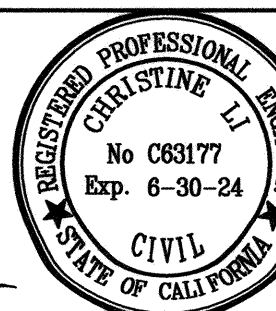


Scale: 1" = 10'

NO.	REVISIONS	BY	DATE	APP'D



**COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT**

<table border="0"> <tr> <td>CL</td> <td>06-2022</td> <td>DESIGNED</td> <td>DATE</td> </tr> <tr> <td>CL</td> <td>06-2022</td> <td>DRAWN</td> <td>DATE</td> </tr> <tr> <td>PP</td> <td>06-2022</td> <td>CHECKED</td> <td>DATE</td> </tr> </table>	CL	06-2022	DESIGNED	DATE	CL	06-2022	DRAWN	DATE	PP	06-2022	CHECKED	DATE	<p>SUBMITTED: CHRISTINE LI, P.E. ASSOCIATE CIVIL ENGINEER</p> <p>APPROVED: ROCELIA KMAK, P.E. PRINCIPAL CIVIL ENGINEER</p>		<p>6/21/2022</p> <p>6/20/22</p>
CL	06-2022	DESIGNED	DATE												
CL	06-2022	DRAWN	DATE												
PP	06-2022	CHECKED	DATE												

**INTERSECTION IMPROVEMENTS AT  
ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
GRADING AND DRAINAGE PLAN**


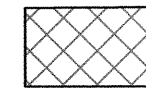
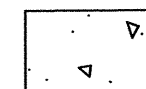
WORK ORDER No. C3399      ADVERTISEMENT DATE:      CONTRACT No.      FILE No.





DRAWING No. **GD-3**

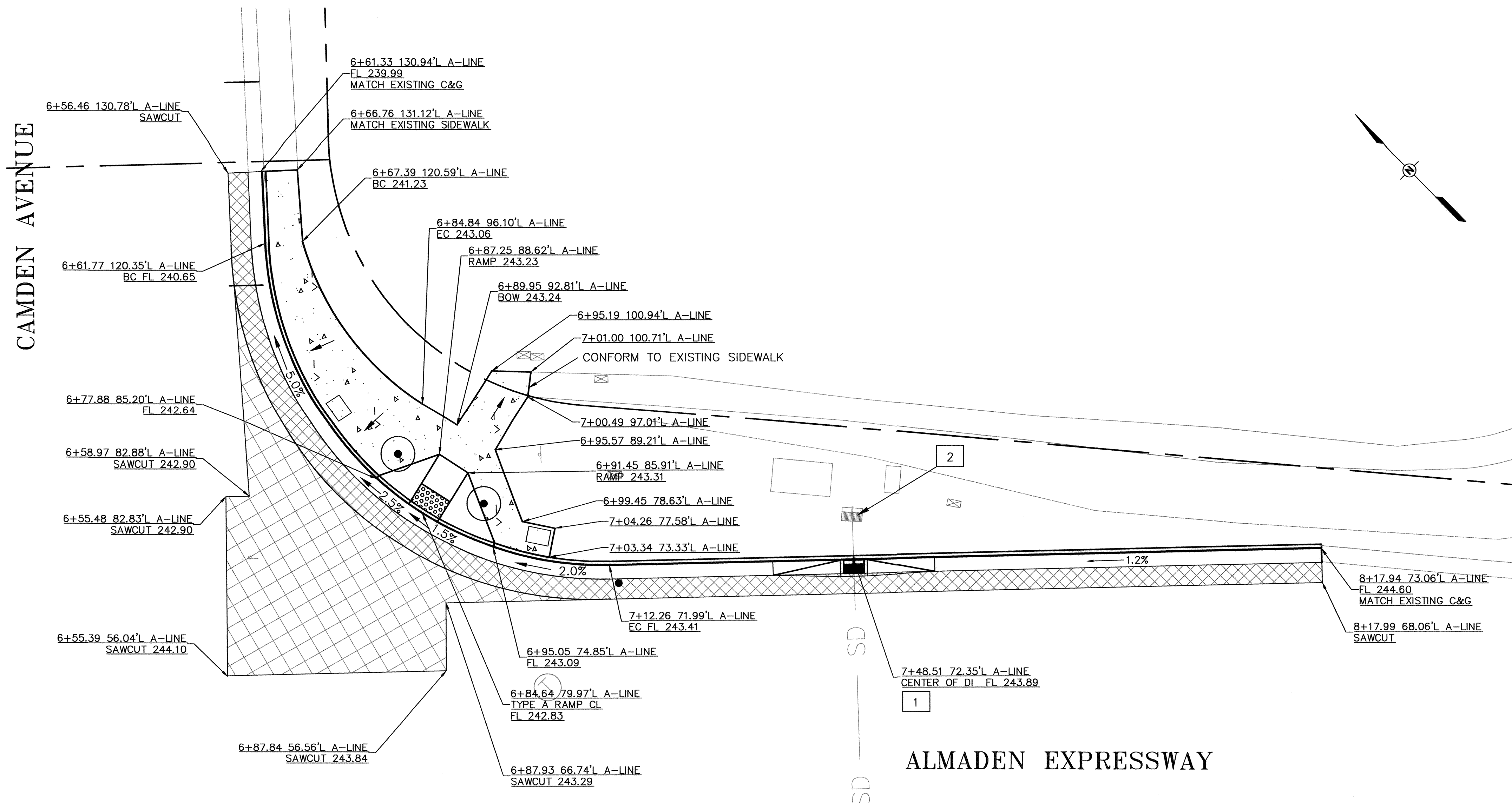
SHT No. **14** OF **35**

Scale AS SHOWN

**LEGENDS**

-  CONSTRUCT 4"± HMA SECTION
-  CONSTRUCT 12" HMA SECTION
-  PCC SIDEWALK/DRIVEWAY


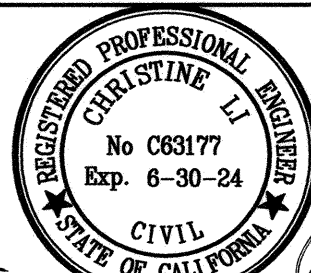
-  OR  POLE FOUNDATION. SEE ELECTRICAL PLAN.
-  DETECTOR HANDHOLE. SEE ELECTRICAL PLAN.
-  NEW PULLBOX. SEE ELECTRICAL PLAN.





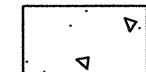

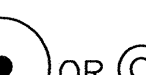






**CONSTRUCTION NOTES**

1. INSTALL COUNTY STD DROP INLET TYPE D, CSD C/11. CONNECT TO EXISTING SD PIPE. SEE DETAIL 10 ON PLAN DET-1.
2. REMOVE INLET AND STORM DRAIN PIPE
3. CONSTRUCT TYPE A CURB RAMP PER CALTRANS STANDARD PLAN A88A.

Scale: 1" = 10'

 <b>COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT</b>					<b>INTERSECTION IMPROVEMENTS AT ALMADEN EXPRESSWAY AND CAMDEN AVENUE GRADING AND DRAINAGE PLAN</b>			DRAWING No. <b>GD-4</b>							
CL 06-2022 DESIGNED DATE CL 06-2022 DRAWN DATE PP 06-2022 CHECKED DATE		SUBMITTED: CHRISTINE LI, P.E. ASSOCIATE CIVIL ENGINEER  APPROVED: ROCELIA KMAK, P.E. PRINCIPAL CIVIL ENGINEER				WORK ORDER No. C3399		ADVERTISEMENT DATE:		CONTRACT No.		FILE No.		SHT No. <b>15</b> OF <b>35</b> Scale AS SHOWN	
NO.      REVISIONS      BY      DATE      APP'D															

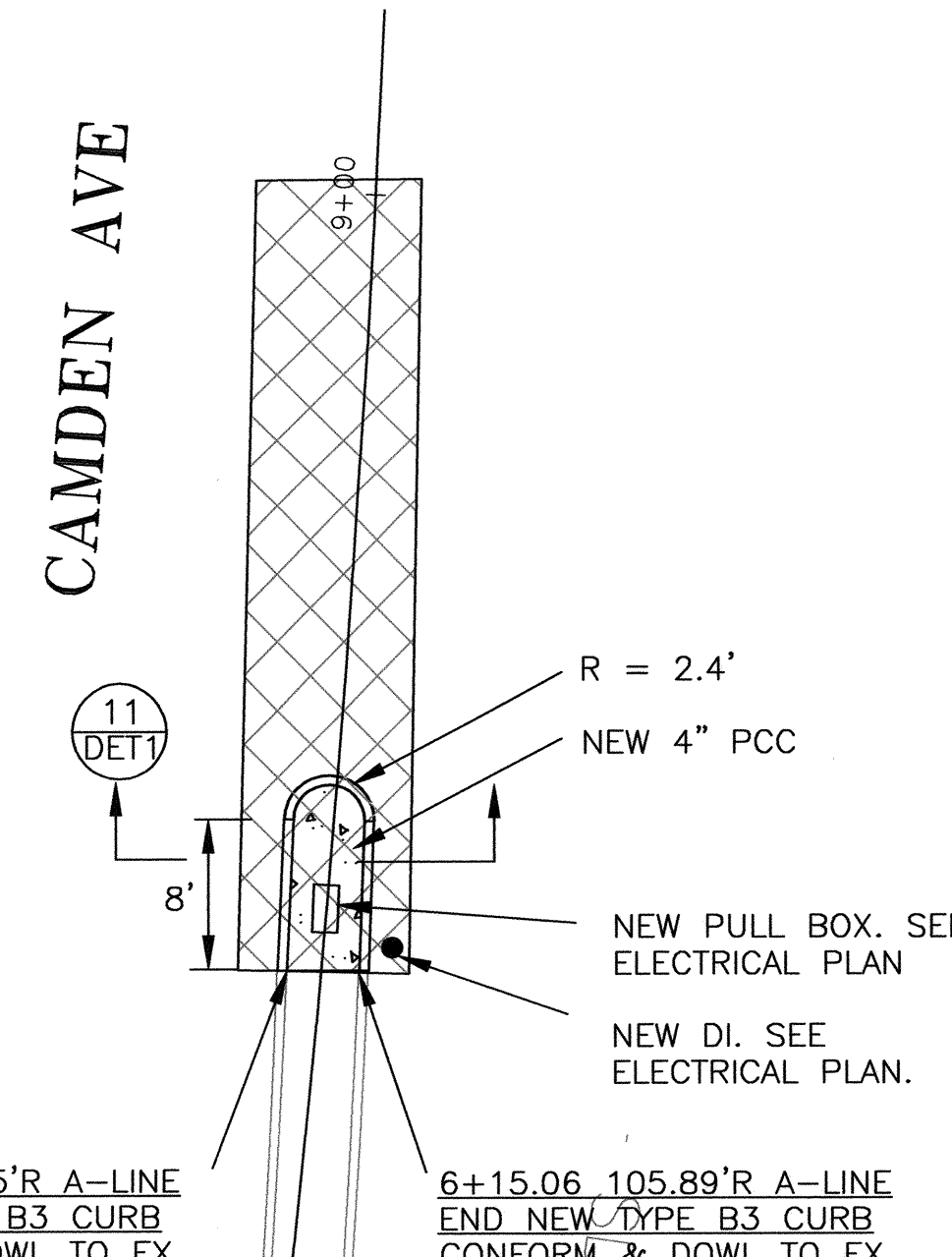
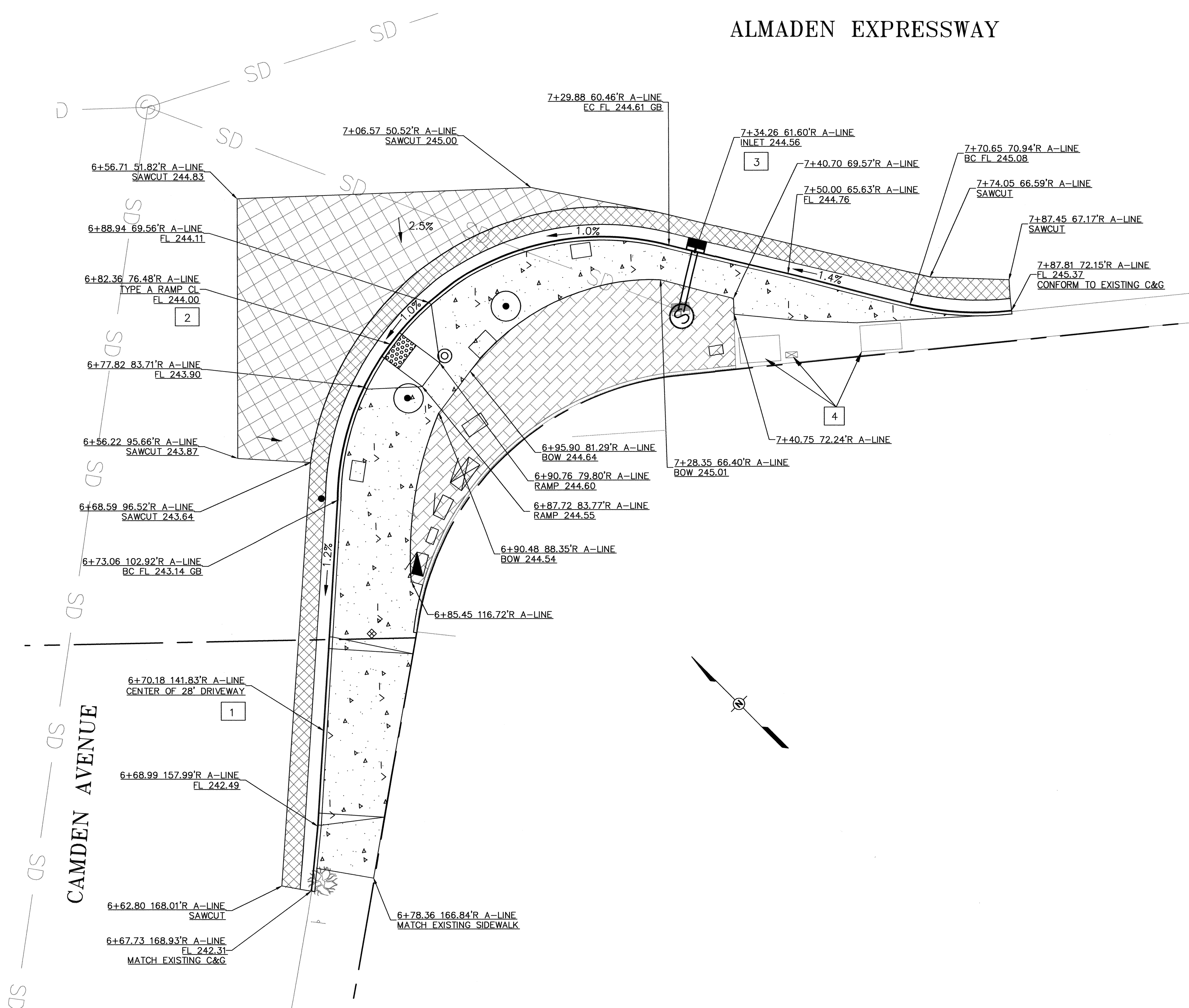
**LEGENDS**

-  CONSTRUCT 4"± HMA SECTION
-  CONSTRUCT 12" HMA SECTION
-  PCC SIDEWALK/DRIVEWAY
-  STAMPED COLORED CONCRETE SURFACE
-  OR  POLE FOUNDATION. SEE ELECTRICAL PLAN.
-  DETECTOR HANDHOLE. SEE ELECTRICAL PLAN.
-  NEW PULLBOX. SEE ELECTRICAL PLAN.
-  CONTROLLER CABINET. SEE ELECTRICAL PLAN.
-  BBS CABINET. SEE ELECTRICAL PLAN.
-  SERVICE CABINET. SEE ELECTRICAL PLAN.

**CONSTRUCTION NOTES**

- 1 CONSTRUCT NEW PCC COMMERCIAL DRIVEWAY (MODIFIED) PER COUNTY STANDARD DETAILS B/7.
- 2 CONSTRUCT TYPE A CURB RAMP PER CALTRANS STANDARD PLAN A88A.
- 3 INSTALL COUNTY STD DROP INLET TYPE D, INSTALL SD PIPE AND CONNECT TO EXISTING INLET, CONVERT EXISTING INLET TO ECCENTRIC STORM DRAIN MANHOLE. SEE DETAIL 4 ON PLAN DET-2.
- 4 EXISTING UTILITY VAULTS / PULL BOX TO BE PROTECTED IN PLACED.

**ALMADEN EXPRESSWAY**


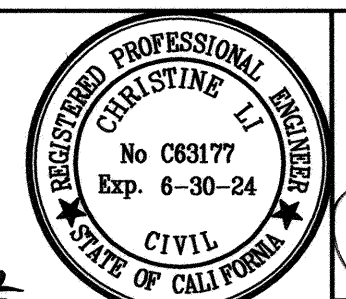



Scale: 1" = 10'

NO.	REVISIONS	BY	DATE	APP'D



**COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT**

CL 06-2022 <small>DESIGNED DATE</small> CL 06-2022 <small>DRAWN DATE</small> PP 06-2022 <small>CHECKED DATE</small>	SUBMITTED: CHRISTINE LI, P.E. <small>ASSOCIATE CIVIL ENGINEER</small>  <small>06/21/2022</small>		APPROVED: ROCELIA KMAK, P.E. <small>PRINCIPAL CIVIL ENGINEER</small>  <small>06/21/22</small>
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**INTERSECTION IMPROVEMENTS AT  
ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
GRADING AND DRAINAGE PLAN**

WORK ORDER No. C3399	ADVERTISEMENT DATE:	CONTRACT No.	FILE No.
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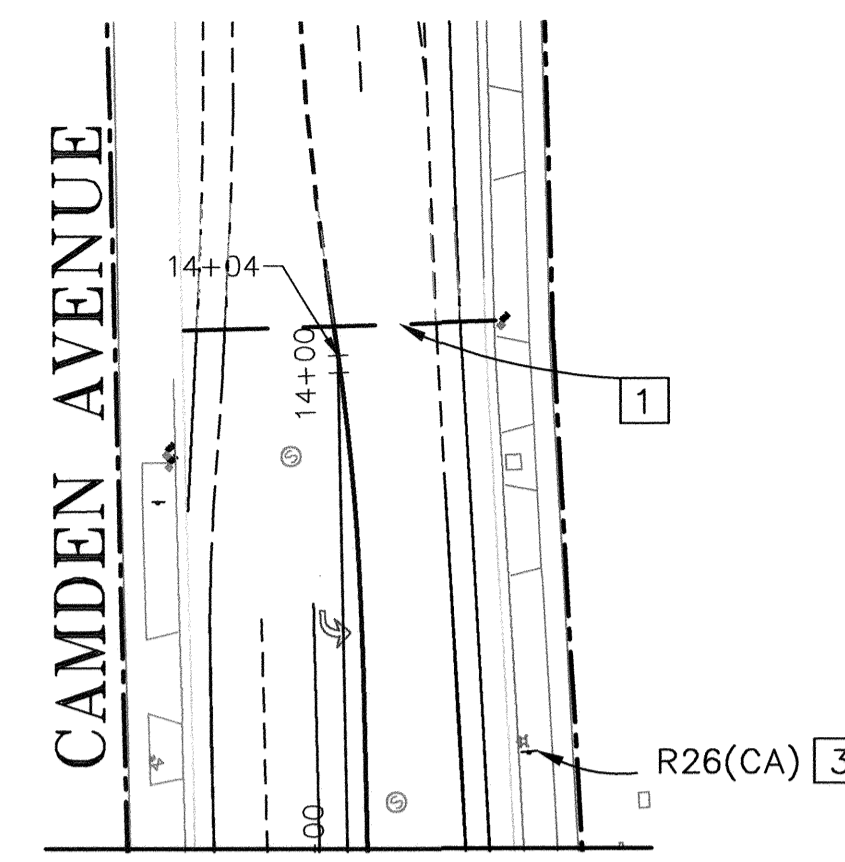
DRAWING No. **GD-5**  
 SHIT No. **16** OF **35**  
 Scale AS SHOWN



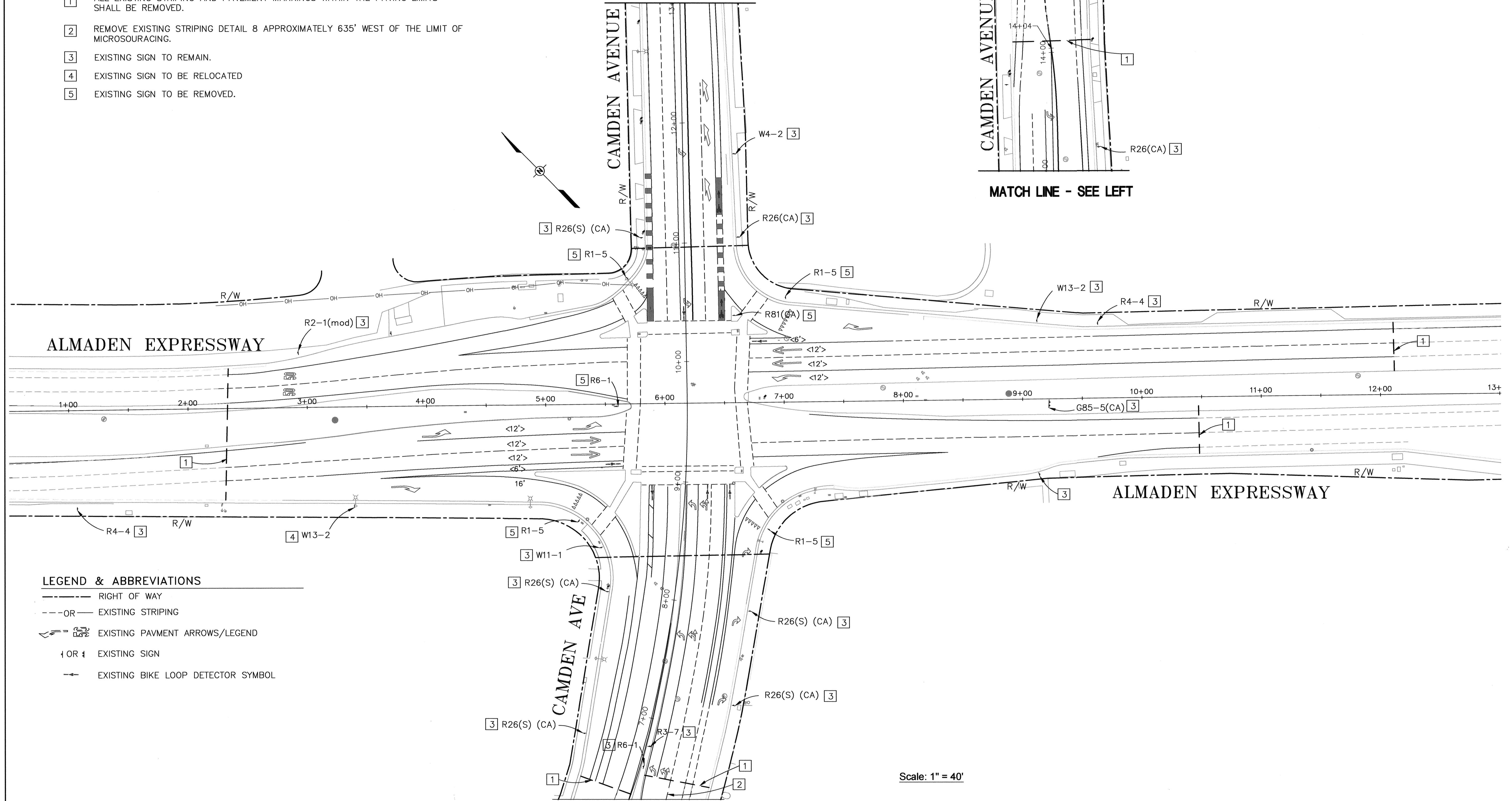
**CONSTRUCTION NOTES:**

- 1 ALL EXISTING STRIPING AND PAVEMENT MARKINGS WITHIN THE PAVING LIMITS SHALL BE REMOVED.
- 2 REMOVE EXISTING STRIPING DETAIL 8 APPROXIMATELY 635' WEST OF THE LIMIT OF MICROSOURACING.
- 3 EXISTING SIGN TO REMAIN.
- 4 EXISTING SIGN TO BE RELOCATED
- 5 EXISTING SIGN TO BE REMOVED.

MATCH LINE - SEE RIGHT



MATCH LINE - SEE LEFT



**LEGEND & ABBREVIATIONS**

- RIGHT OF WAY
- OR--- EXISTING STRIPING
- EXISTING PAVEMENT ARROWS/LEGEND
- 4 OR 4 EXISTING SIGN
- EXISTING BIKE LOOP DETECTOR SYMBOL

Scale: 1" = 40'

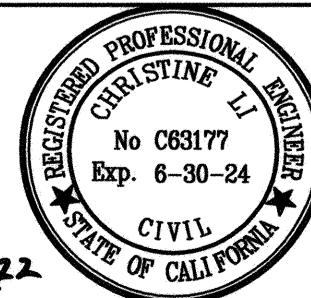
NO.	REVISIONS	BY	DATE	APP'D



**COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT**

DESIGNED: CL 06-2022  
 DATE: 06-2022  
 DRAWN: PP 06-2022  
 CHECKED: DATE

SUBMITTED: CHRISTINE LI, P.E.  
 ASSOCIATE CIVIL ENGINEER



APPROVED: ROCELIA KMAK, P.E.  
 PRINCIPAL CIVIL ENGINEER

*Christine Li* 6/21/2022  
*Rocelia Kmak* 6/21/2022

**INTERSECTION IMPROVEMENTS AT  
 ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
 EXISTING SIGNING AND STRIPING PLAN**

WORK ORDER No. C3399

ADVERTISEMENT DATE:

CONTRACT No.

FILE No.

DRAWING No.

**S-1**

SHT No. 17 OF 35

Scale AS SHOWN

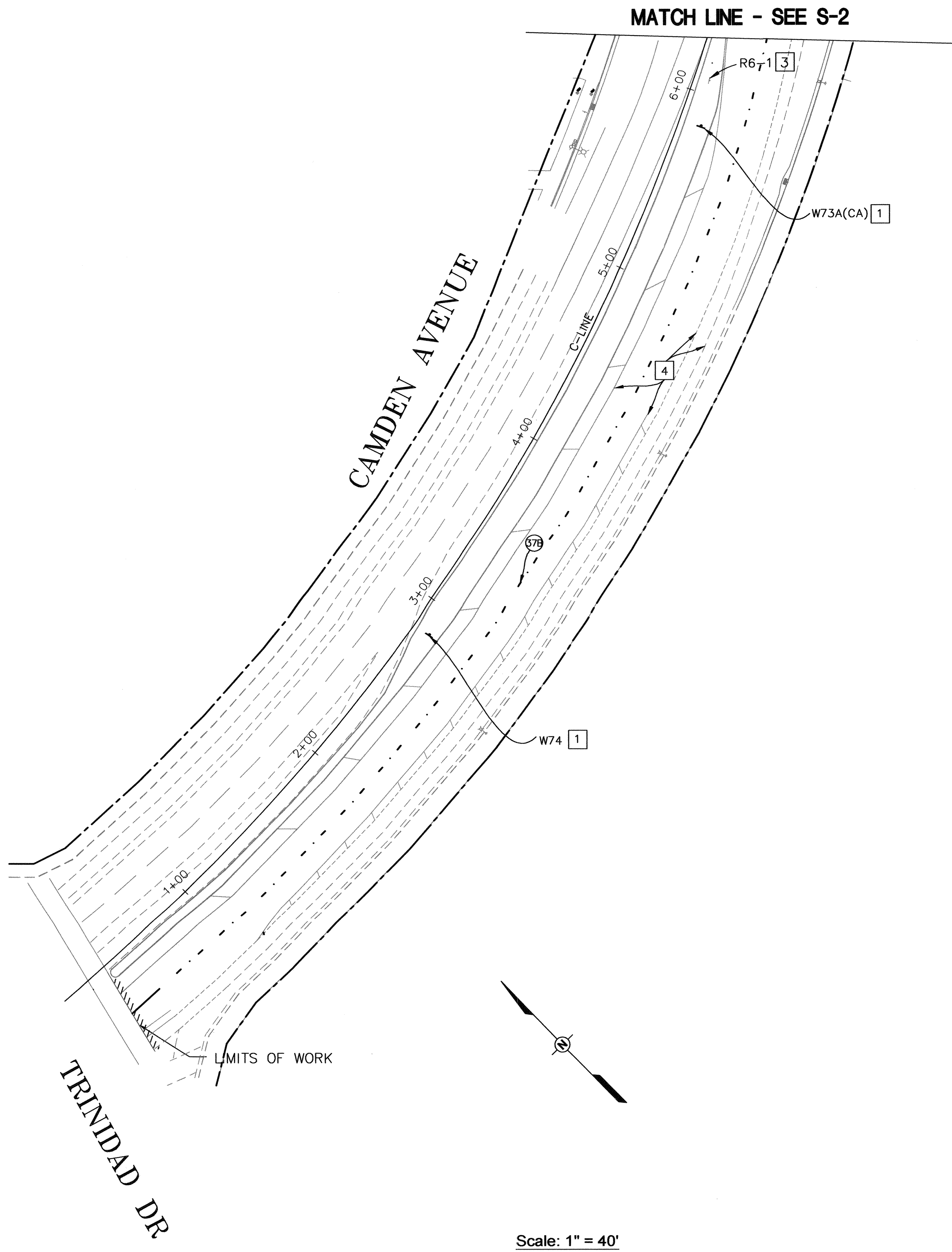


NOTES (DRAWINGS S2 & S3):

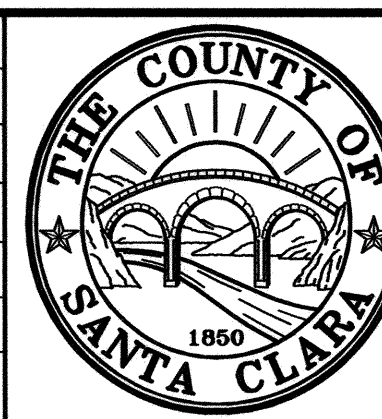
1. ALL EXISTING STRIPING AND PAVEMENT MARKINGS WITHIN THE PAVING LIMITS SHALL BE REMOVED.
2. ALL DIMENSIONS TO FACE OF CURB/FLOW LINE (FOC) AND CENTER OF STRIPING.
3. ALL MEDIAN NOSES SHALL BE PAINTED YELLOW AND OUTSIDE ISLAND CURBS SHALL BE PAINTED WITH REFLECTIVE YELLOW.
4. SIGN POSTS IN OR ADJACENT TO SIDEWALK SHALL BE METAL. ALL OTHERS ARE WOOD.
5. CROSSWALKS CENTERED ON WALKWAY OPENINGS UNLESS NOTED OTHERWISE.
6. ALL TRAFFIC LINES SHALL BE 6" WIDE.
7. SEE ELECTRICAL PLANS FOR SIGNAL MOUNTED SIGNS.
8. THE WIDTH OF CROSSWALK SHALL BE MEASURED FROM CENTER OF STRIPING ON ONE SIDE TO CENTER OF STRIPING ON THE OTHER SIDE.
9. PROJECT INSPECTOR SHALL NOTIFY CITY OF SAN JOSE, THE DEPARTMENT OF TRANSPORTATION (GEOMETRIC DESIGN) AT (408)535-3850 A MINMUM OF TWO WEEKS PRIOR TO THE NEED TO ARRANGE FOR THE STRIPING INSTALLATION.

CONSTRUCTION NOTES:

- 1] INSTALL NEW ROADSIDE SIGN. TYPE AS SPECIFIED.
- 2] PAINT MEDIAN NOSES YELLOW
- 3] EXISTING SIGN TO REMAIN.
- 4] EXISTING STRIPING TO REMAIN.



NO.	REVISIONS	BY	DATE	APP'D



**COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT**

DESIGNED CL 06-2022	DATE 06-2022	SUBMITTED: CHRISTINE LI, P.E. ASSOCIATE CIVIL ENGINEER	APPROVED: ROCELIA KMAK, P.E. PRINCIPAL CIVIL ENGINEER
DRAWN PP 06-2022	DATE 06-2022	CHECKED <i>Christine Li</i> 6/21/2022	DATE <i>Rocelia Kmak</i> 6/21/22

Professional Engineer Seal: CHRISTINE LI, No. 063177, Exp. 6-30-24, CIVIL, STATE OF CALIFORNIA

**INTERSECTION IMPROVEMENTS AT  
ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
SIGNING AND STRIPING PLAN**

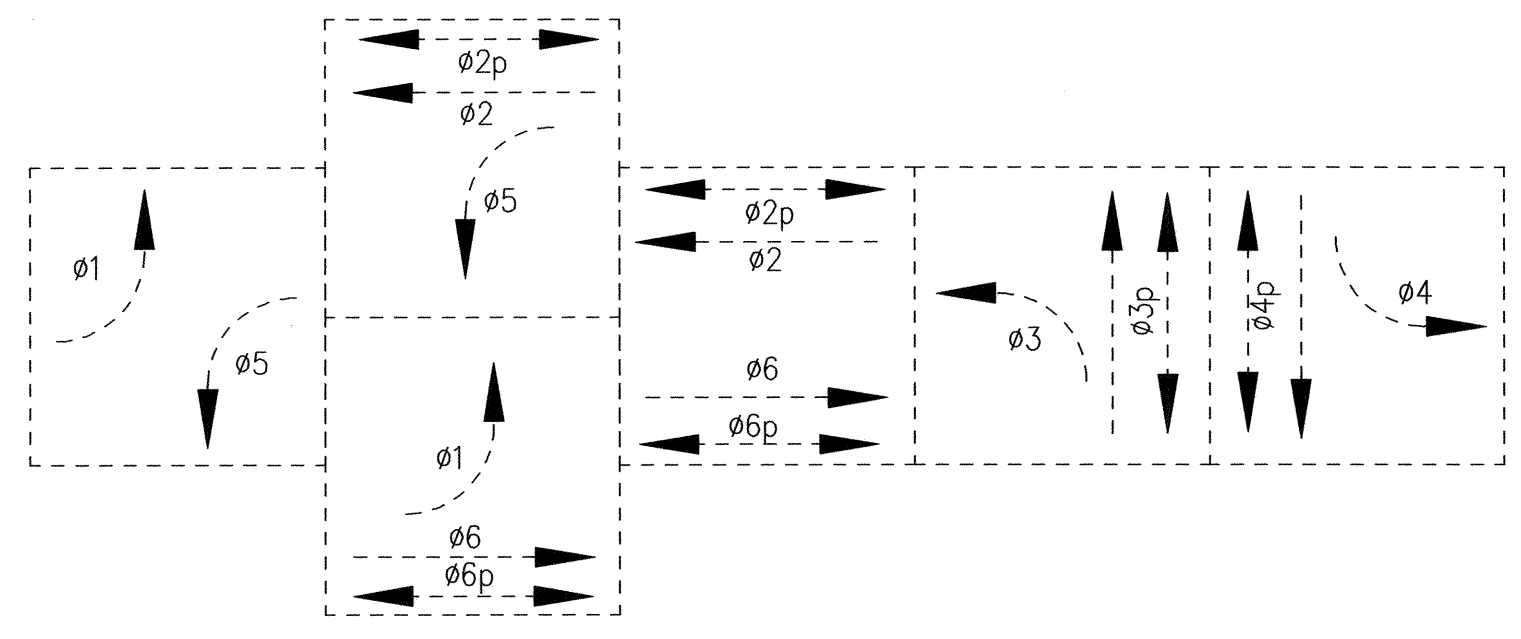
WORK ORDER No. C.3399	ADVERTISEMENT DATE:	CONTRACT No.	FILE No.
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DRAWING No.  
**S-3**

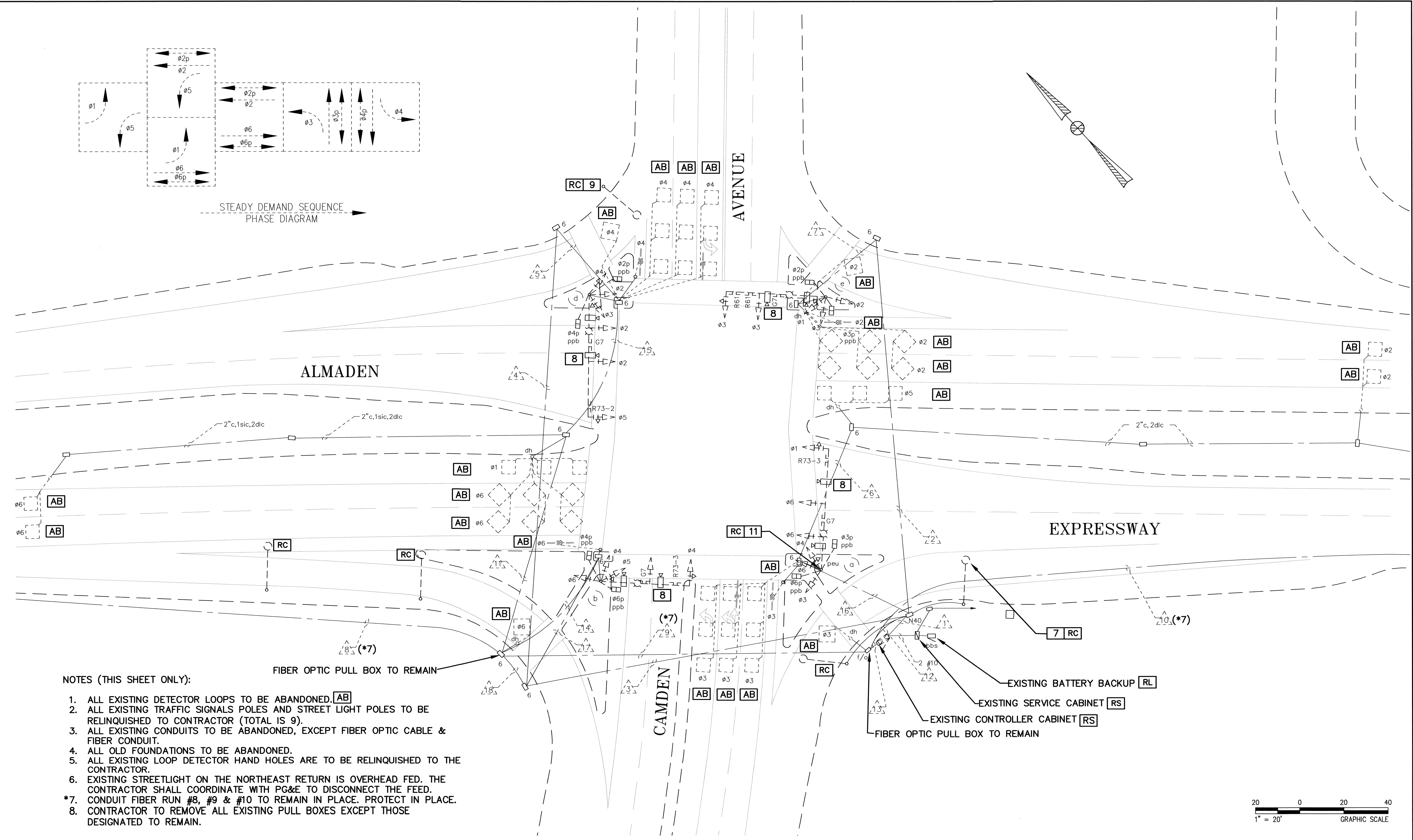
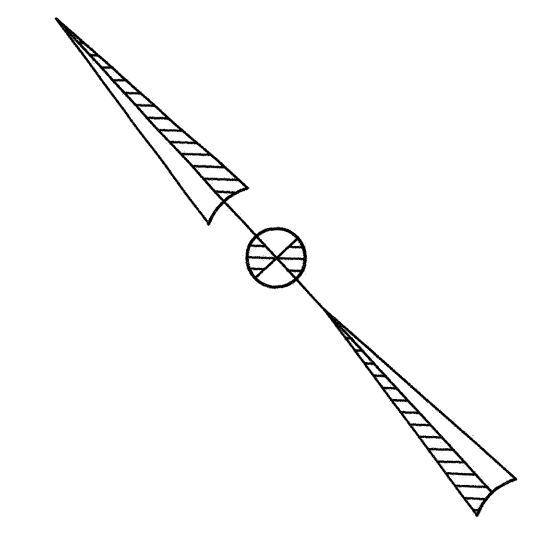
SHT No.  
**19** OF **35**

Scale  
AS SHOWN





STEADY DEMAND SEQUENCE PHASE DIAGRAM



NOTES (THIS SHEET ONLY):

1. ALL EXISTING DETECTOR LOOPS TO BE ABANDONED. [AB]
2. ALL EXISTING TRAFFIC SIGNALS POLES AND STREET LIGHT POLES TO BE RELINQUISHED TO CONTRACTOR (TOTAL IS 9).
3. ALL EXISTING CONDUITS TO BE ABANDONED, EXCEPT FIBER OPTIC CABLE & FIBER CONDUIT.
4. ALL OLD FOUNDATIONS TO BE ABANDONED.
5. ALL EXISTING LOOP DETECTOR HAND HOLES ARE TO BE RELINQUISHED TO THE CONTRACTOR.
6. EXISTING STREETLIGHT ON THE NORTHEAST RETURN IS OVERHEAD FED. THE CONTRACTOR SHALL COORDINATE WITH PG&E TO DISCONNECT THE FEED.
- \*7. CONDUIT FIBER RUN #8, #9 & #10 TO REMAIN IN PLACE. PROTECT IN PLACE.
8. CONTRACTOR TO REMOVE ALL EXISTING PULL BOXES EXCEPT THOSE DESIGNATED TO REMAIN.

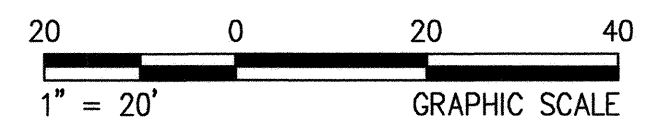
FIBER OPTIC PULL BOX TO REMAIN

EXISTING BATTERY BACKUP [RL]

EXISTING SERVICE CABINET [RS]

EXISTING CONTROLLER CABINET [RS]

FIBER OPTIC PULL BOX TO REMAIN



NO.	REVISIONS	BY	DATE	APP'D



COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT

DESIGNED: DB 06-2022  
 DATE: 06-2022  
 DRAWN: JS 06-2022  
 CHECKED: 06-2022

SUBMITTED: DAVID R. BOYD  
 ASSOCIATE CIVIL ENGINEER

APPROVED: ROCELIA KMAK, P.E.  
 PRINCIPAL CIVIL ENGINEER

6/17/22

6/21/22

**INTERSECTION IMPROVEMENTS AT  
 ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
 EXSITING INTERSECTION LAYOUT**

WORK ORDER No. C3399  
 ADVERTISEMENT DATE:  
 CONTRACT No.  
 FILE No.

DRAWING No.  
**E-2**

SHEET No.  
**21 OF 35**

Scale

### EXISTING CONDUCTOR SCHEDULE


AWG	CONDUIT SIZE (in.)	CONDUIT SIZES																	
		2-3"	3"	3"	3"	3"	2"	3"	3"	3"	3"	3"	3"	3"	3"	3"	3"	3"	3"
No. 14	VEHICLE Ø1	6	3					3									3		
	Ø2	3	3	3	3	3		3									3		
	Ø3	6	3	3	3	3		3											
	Ø4	3		3	3	3											3	3	
	Ø5	6		3	3	3												3	
	Ø6	3		3													3	3	
	PED Ø2	2	2	2	2	2		2											
	Ø3	2	2					2									2		
	Ø4	2		2	2	2												2	
	Ø6	2		2													2	2	
	PPB Ø2	1	1	1	1	1		1											
	Ø3	1	1					1									1		
	Ø4	1		1	1	1												1	
	Ø6	1		1													1	1	
PEU	3															3			
SPARES	3	3	3	3	3		3									3	3		
No.12	PED COMMON	1	1	1	1	1		1								1	1		
No.10	SIGNAL NEUTRAL	1	1	1	1	1		1								1	1		
No.8	GROUND	1	1	1	1	1							1	1	1	1			
	LUMINAIRE	2	2	2	2	2		2								2	2		
No.4	SERVICE																		
CABLE	ADVANCED Ø2	2					2									2			
	Ø6	2							2		2								
	SAMPLERS Ø2	2							2	2			2						
	Ø6	2									2		2						
	VEH DET Ø1	2		2								2					2		
	Ø2	5	5					5											
	Ø3	7											1			6			
	Ø4	7		6	6	6				1		1	1		1				
	Ø5	2					2									2			
	Ø6	6		4						3		6	3				4		
	BICYCLE DET Ø2	1	1					1											
	Ø3	1														1			
	Ø4	1		1	1	1													
	Ø6	1		1													1		
	TOTAL DLC	41	6	14	7	7	4	6	2	8	2	11	11			1	11	1	6
	INTERCONNECT																		
	CAMERA VIDEO (CAT 6)			1				1		2		1	2	4	1	1	1		
	CAMERA POWER			1				1		2		1	2	4	1	1	1		
	F/O 12 STRAND													1					
	F/O 96 STRAND								1	1	1								
	CAT 6 CABLE (TTR)													1	1				
	PERCENT FILL (%)	22	44	35	37	28	35	31	6	16	6	6	16	16					

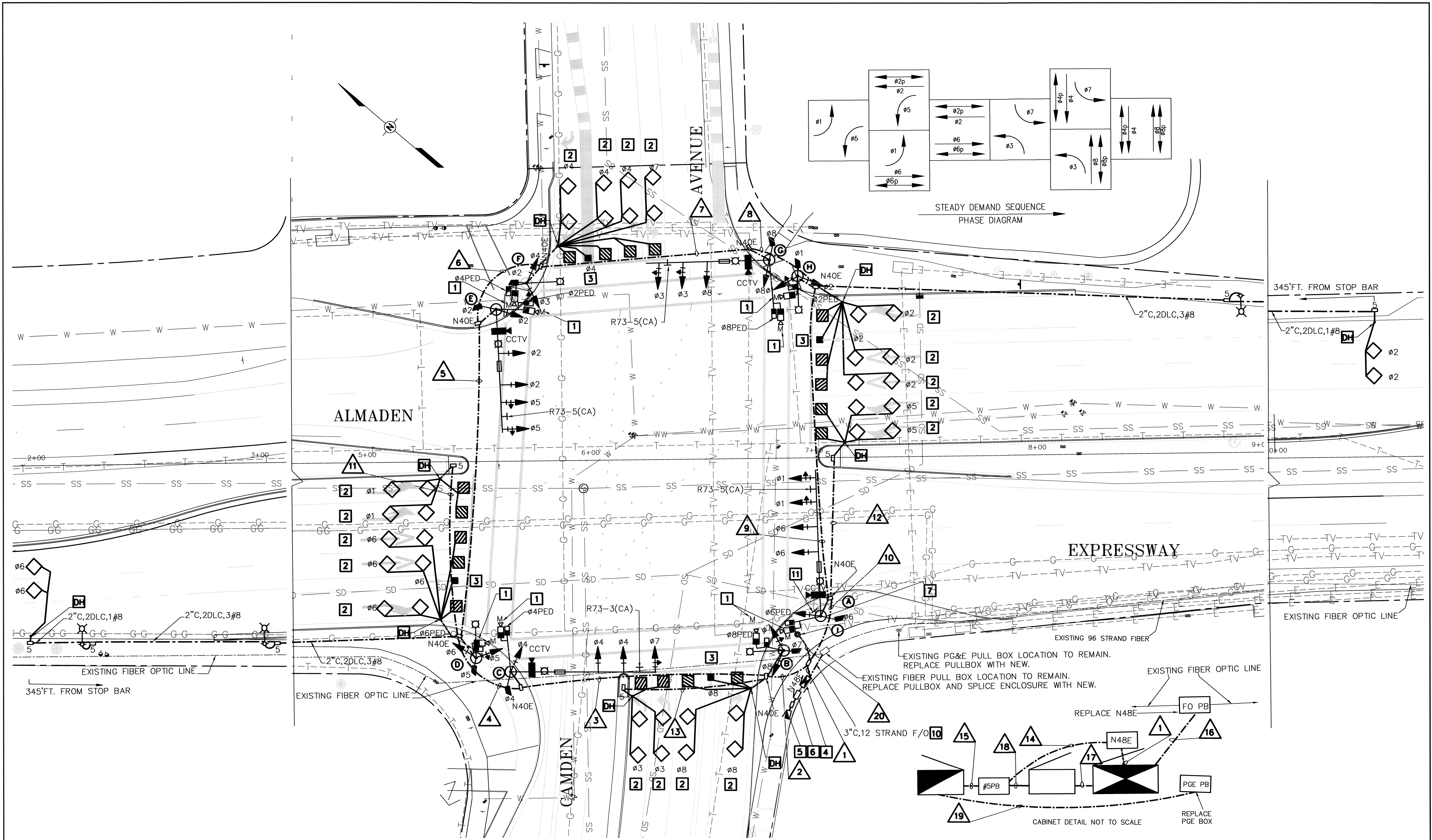
### EXISTING POLE SCHEDULE

LOCATION	STANDARD	MAST ARM	LUM ARM	VEHICLE SIGNAL		PED. SIGNAL		REMARKS
				TYPE	MOUNTING	TYPE	MOUNTING	
(a)	SCC 26-6-70	55'		3W3C	SV-3-TB	2W2C	SP-2-T	CCTV CAMERA ON STREET LIGHTING ARM
(b)	26-4-70	40'		3W3C	ASTRO-BKAC	2W2C	SP-2-T	CCTV CAMERA ON STREET LIGHTING ARM
(c)				3W3C	SV-3-TB			
(d)	SCC 26-6-70	55'		3W3C	ASTRO-BKAC	2W2C	SP-2-T	CCTV CAMERA ON STREET LIGHTING ARM
(e)	26-4-70	45'		2W3C	(2)MAS	2W2C	SP-2-T	CCTV CAMERA ON STREET LIGHTING ARM
				3W3C	SV-3-TB			

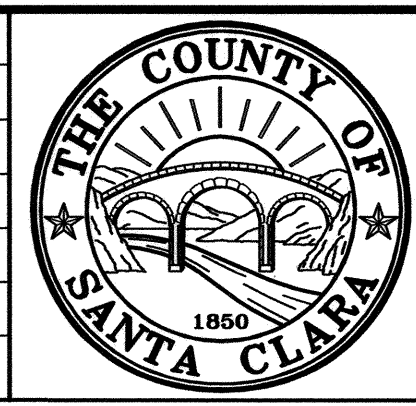
**NOTES (THIS SHEET ONLY):**

1. ALL EXISTING TRAFFIC SIGNALS POLES TO BE RELINQUISHED TO CONTRACTOR.
2. ALL EXISTING CONDUITS TO BE ABANDONED EXCEPT FIBER CONDUIT.

			<b>COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT</b>	<b>INTERSECTION IMPROVEMENTS AT ALMADEN EXPRESSWAY AND CAMDEN AVENUE EXISTING POLE AND CONDUCTOR SCHEDULES</b>	DRAWING No. <b>E-3</b>
			SUBMITTED: DAVID R. BOYD ASSOCIATE CIVIL ENGINEER DATE: 06-2022	APPROVED: ROCELIA KMAK, P.E. PRINCIPAL CIVIL ENGINEER DATE: 6/21/22	SHT No. <b>22</b> OF <b>35</b>
NO.	REVISIONS	BY	DATE	APP'D	



NO.	REVISIONS	BY	DATE	APP'D



**COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT**

DESIGNED: DB 06-2022  
 DRAWN: JS 06-2022  
 CHECKED: 06-2022

SUBMITTED: DAVID R. BOYD  
 ASSOCIATE CIVIL ENGINEER

APPROVED: ROCELIA KMAK, P.E.  
 PRINCIPAL CIVIL ENGINEER

6/17/22

**INTERSECTION IMPROVEMENTS AT  
 ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
 PROPOSED SIGNAL PLAN**

WORK ORDER No. C3399  
 ADVERTISEMENT DATE: \_\_\_\_\_  
 CONTRACT No. \_\_\_\_\_  
 FILE No. \_\_\_\_\_

DRAWING No. **E-4**  
 SHIT No. **23** OF **35**  
 Scale AS SHOWN

### PROPOSED CONDUCTOR SCHEDULE

AWG	CONDUIT SIZE (in.)	CONDUIT SIZES																				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
No. 14	VEHICLE Ø1	3								3	3											
	Ø2	6	3	3	3	3				3	3											
	Ø3	3						3	3	3	3											
	Ø4	6	3	3				3	3	3	3											
	Ø5	3	3	3	3	3																
	Ø6	6	3	3	3							3										
	Ø7	3	3	3																		
	Ø8	6	3						3	3	3											
	PED Ø2	4	2	2	2	2					2	2										
	Ø4	4	2	2				2	2	2	2											
	Ø6	4	2	2	2							2										
	Ø8	4	2						2	2	2											
	PPB	Ø2	1						1	1	1	1										
		Ø4	1	1	1	1	1															
Ø6		1	1	1																		
Ø8		1																			1	
APS		2		2		2		2		1											1	
PEU														3	3							
SPARES	6	3	3	3	3		3	3	3	3												
No.12	PED COMMON	2	1	1	1	1		1	1	1	1										1	
	SIGNAL NEUTRAL	2	1	1	1	1		1	1	1	1											
No.10	CONVENIENCE POWER															2		2	2			
	BBS															2		2	2			
No.8	GROUND	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
	LUMINAIRE	4	2	2	2	2		2	2	2	2				2	2						
No.2	SERVICE																				2	
	ADVANCED Ø2	2								2	2											
	Ø6	2	2	2	2																	
	Ø6																					
CABLE	VEH DET Ø1	2	2	2	2						2											
	Ø2	3								3	3											
	Ø3	2	2											2								
	Ø4	3						3	3	3	3											
	Ø5	2									2		2									
	Ø6	3	3	3	3																	
	Ø7	1						1	1	1	1											
	Ø8	2	2																			
BICYCLE DET Ø2	1									1	1											
BICYCLE DET Ø8	1	1																				
BICYCLE DET Ø4	1						1	1	1	1												
BICYCLE DET Ø6	1	1	1	1																		
TOTAL DLC																						
CAMERA VIDEO (CAT 6)	4	2	2	1	1				1	1	2											
CAMERA POWER	4	2	2	1	1				1	1	2											
F/O 12 STRAND																1						
F/O 96 STRAND																						
CAT 6 CABLE (TTR)	1										1											
CAT 6 CABLE (BBS)																			2			
PED SENSOR CABLE	8	4	3	2	1		1	2	3	4												
PERCENT FILL (%)																						

### PROPOSED POLE SCHEDULE

LOCATION	STANDARD	MAST ARM	LUM ARM	VEHICLE SIGNAL		PED. SIGNAL		REMARKS
				TYPE	MOUNTING	TYPE	MOUNTING	
(A)	SCC 29-6-100	65'	15'	4W3C 1W3C	ASTRO-BRAC SV-1-TB	1W2C	SP-1-T	INSTALL CCTV CAMERA, Ø6 PEDESTRIAN SENSOR, REGULATORY SIGN & STREET NAME SIGN.
(B)	15TS		15'	2W3C	SV-2-TB	1W2C	SP-1-T	INSTALL Ø8 PEDESTRIAN SENSOR AND Ø6 APS PUSH BUTTON
(C)	SCC 29-6-100	65'	15'	3W3C 1W3C	ASTRO-BRAC SV-1-TB	1W2C	SP-1-T	INSTALL CCTV CAMERA, Ø4 PEDESTRIAN SENSOR, Ø6 APS PUSH BUTTON, REGULATORY SIGN & STREET NAME SIGN.
(D)	15TS		15'	2W3C	SV-2-TB	1W2C	SP-1-T	INSTALL Ø4 PEDESTRIAN SENSOR AND Ø6 APS PUSH BUTTON
(E)	SCC 26-6-100	55'	15'	4W3C 1W3C	ASTRO-BRAC SV-1-TB	1W2C	SP-1-T	INSTALL CCTV CAMERA, Ø2 PEDESTRIAN SENSOR, Ø4 APS PUSH BUTTON, REGULATORY SIGN & STREET NAME SIGN.
(F)	15TS		15'	2W3C	SV-2-TB	1W2C	SP-1-T	INSTALL Ø2 PEDESTRIAN SENSOR AND Ø4 APS PUSH BUTTON
(G)	SCC 26-6-100	55'	15'	3W3C 1W3C	ASTRO-BRAC SV-1-TB	1W2C	SP-1-T	INSTALL CCTV CAMERA, Ø8 PEDESTRIAN SENSOR, Ø2 APS PUSH BUTTON, REGULATORY SIGN & STREET NAME SIGN.
(H)	15TS		15'	2W3C	SV-2-TB	1W2C	SP-1-T	INSTALL Ø8 PEDESTRIAN SENSOR AND Ø2 APS PUSH BUTTON
(I)	PPB POST							INSTALL Ø8 APS PUSH BUTTON

\* - RIGID GALVANIZED CONDUIT (RGS) PER CSD E/51

# - PROPOSED CONDUIT

# - PROPOSED TRAFFIC SIGNAL POLE

NO.	REVISIONS	BY	DATE	APP'D

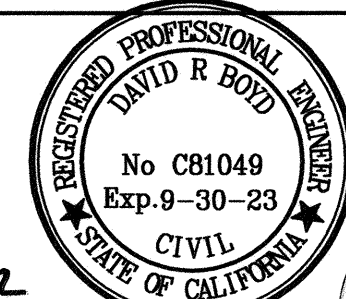


**COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT**

DB DESIGNED 06-2022 DATE  
 DB DRAWN 06-2022 DATE  
 JS CHECKED 06-2022 DATE

SUBMITTED: DAVID R. BOYD ASSOCIATE CIVIL ENGINEER  
 APPROVED: ROCELIA KMAK, P.E. PRINCIPAL CIVIL ENGINEER

*ll* 6/17/22  
*Rocelia Kmak* 6/21/22



**INTERSECTION IMPROVEMENTS AT  
 ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
 PROPOSED POLE AND CONDUCTOR SCHEDULES**

WORK ORDER No. C3399    ADVERTISEMENT DATE:    CONTRACT No.    FILE No.

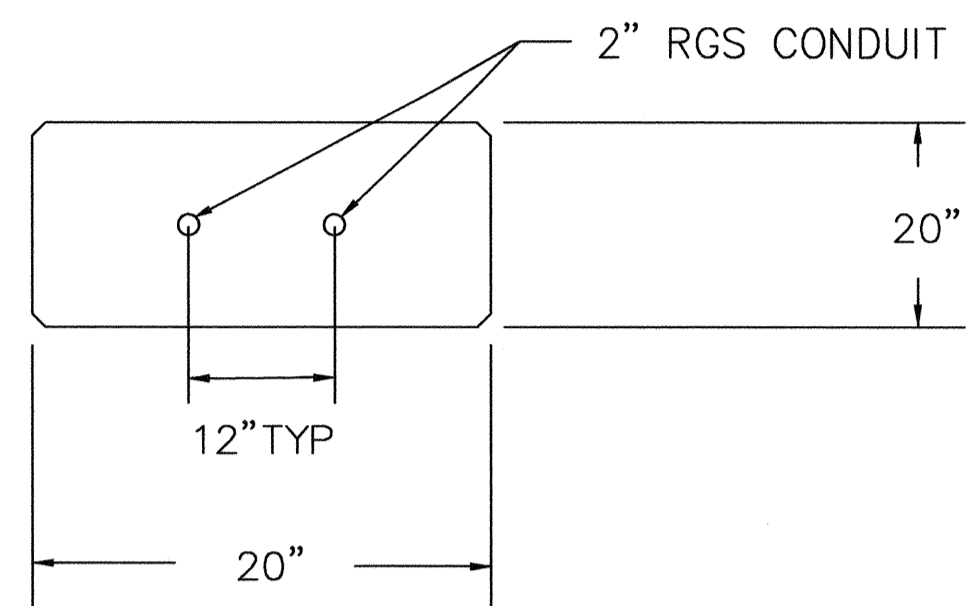
DRAWING No. **E-5**

SHT No. **24** OF **35**

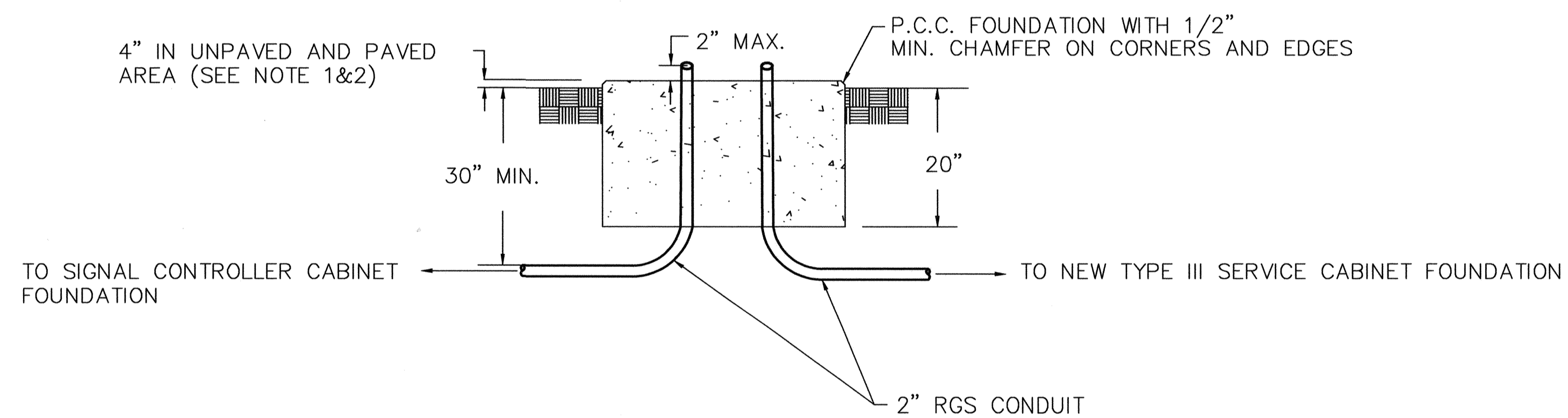
Scale NTS



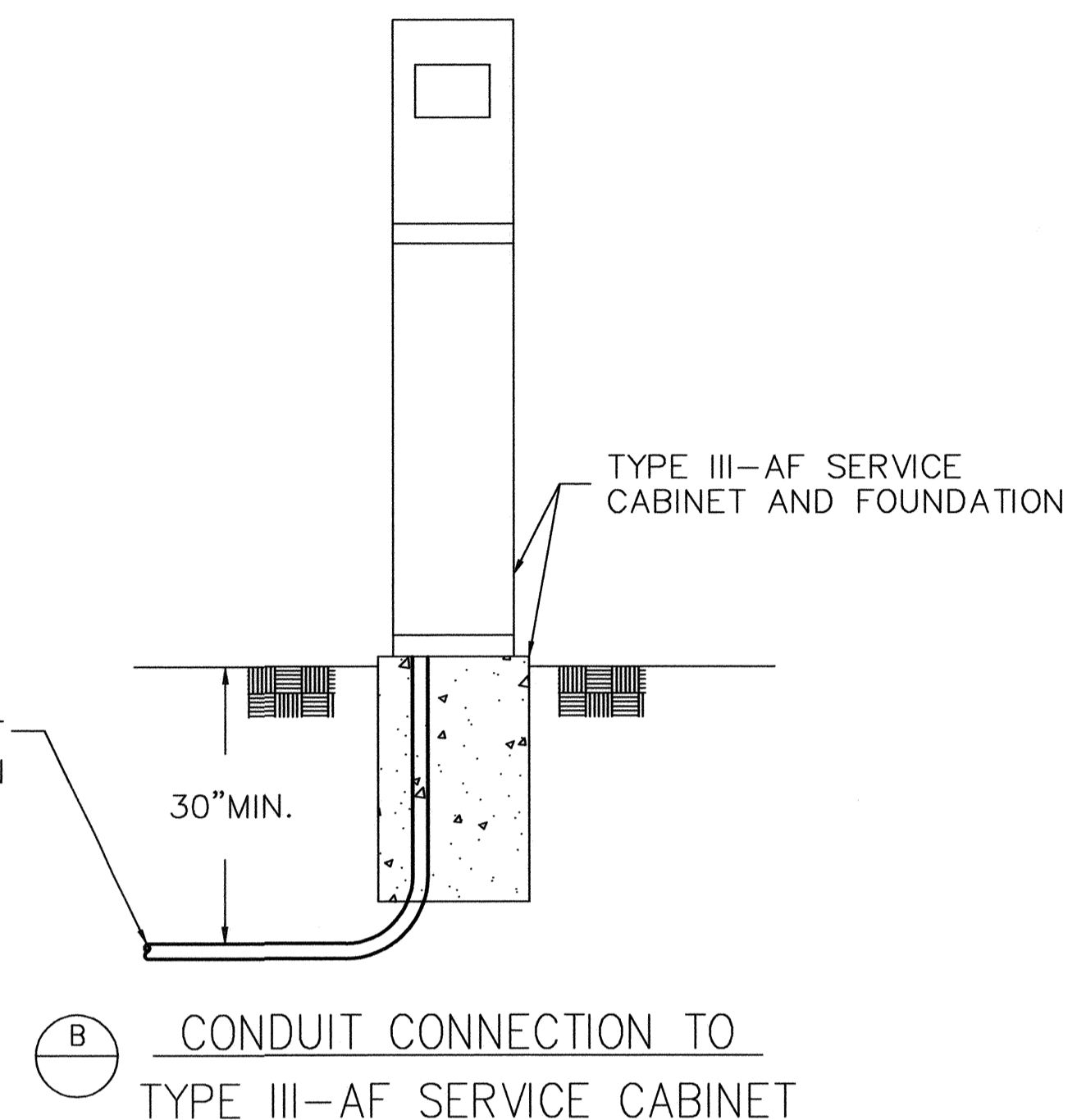




PLAN VIEW



FRONT VIEW



CONDUIT CONNECTION TO TYPE III-AF SERVICE CABINET

NOTES :

- 1) IN UNPAVED AREA, A (3' x 3' WORK PAD) IN FRONT OF CABINET AND 3' WIDE WALKWAY SHALL BE INSTALLED WITH 4" CLASS B P.C.C. OVER 4" CLASS 3 AGGREGATE BASE. SEE PROJECT PLANS FOR LIMITS OF WALKWAY.
- 2) A MINIMUM OF 36" CLEAR SPACE FOR ADA ACCESS SHALL BE PROVIDED BETWEEN FACE OF CURB AND EDGE OF FOUNDATION IN SIDEWALK AREA.

A BBS CABINET FOUNDATION

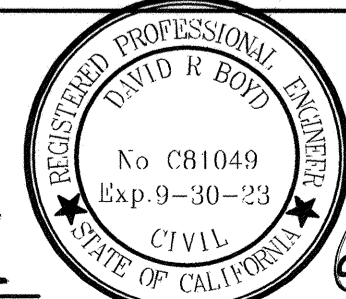
NO.	REVISIONS	BY	DATE	APP'D



COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT

DB DESIGNED 06-2022  
 DB DRAWN 06-2022  
 JS CHECKED 06-2022

SUBMITTED: DAVID R. BOYD  
 ASSOCIATE CIVIL ENGINEER



APPROVED: ROCELIA KMAK, P.E.  
 PRINCIPAL CIVIL ENGINEER

*ll 6/17/22*

*Rocelia 6/21/22*

INTERSECTION IMPROVEMENTS AT  
 ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
 CONSTRUCTION DETAILS

WORK ORDER No. C3399

ADVERTISEMENT DATE:

CONTRACT No.

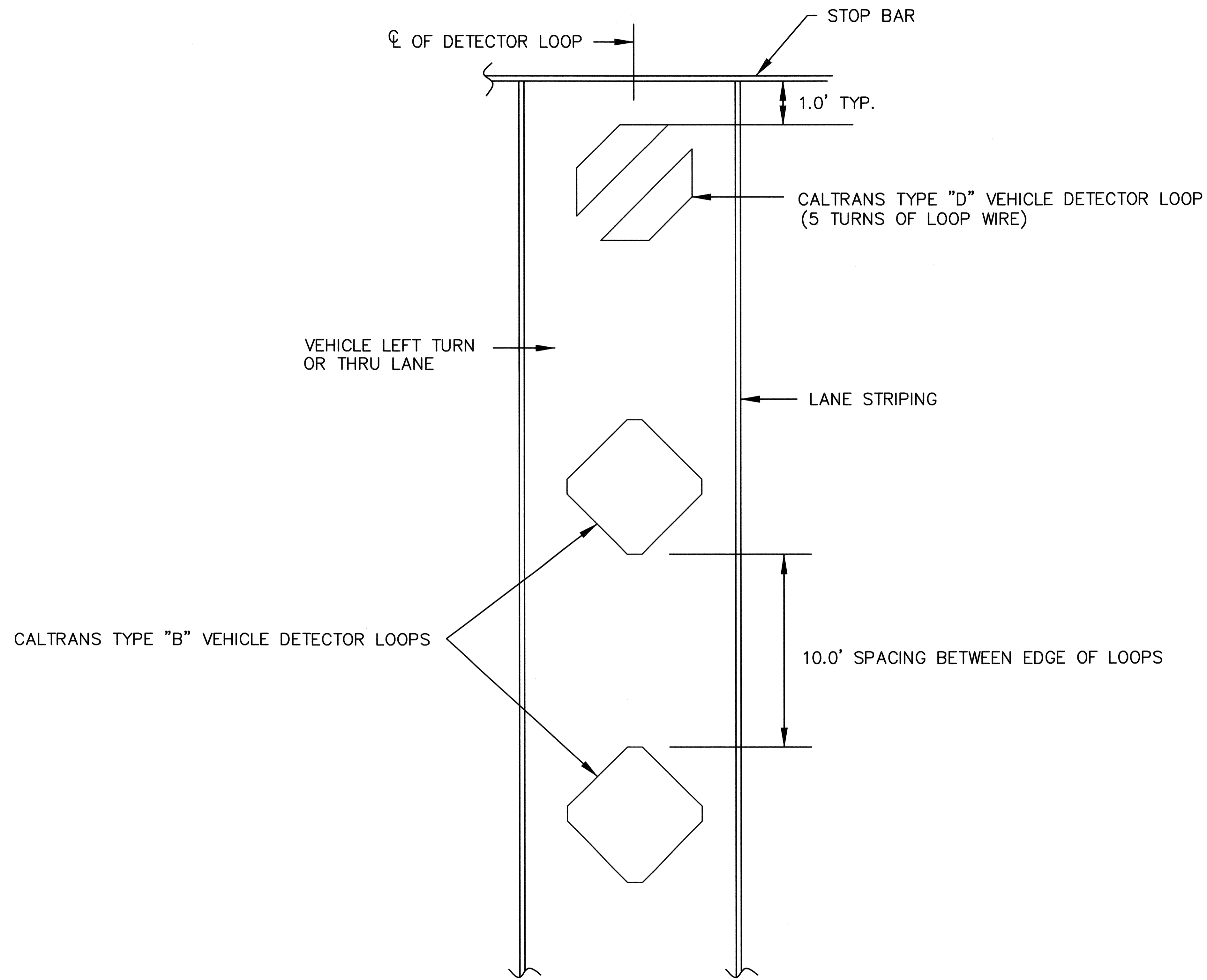
FILE No.

DRAWING No.

E-7

SHT No. 26 OF 35

Scale NTS



(A) VEHICLE DETECTOR LOOP LAYOUT

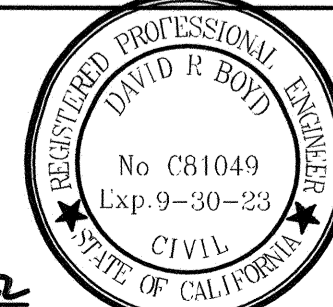
NO.	REVISIONS	BY	DATE	APP'D



COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT

DB 06-2022  
 DESIGNED DATE  
 DB 06-2022  
 DRAWN DATE  
 JS 06-2022  
 CHECKED DATE

SUBMITTED:  
 DAVID R. BOYD  
 ASSOCIATE CIVIL ENGINEER



APPROVED:  
 ROCELIA KMAK, P.E.  
 PRINCIPAL CIVIL ENGINEER

*ll* 6/13/22

*Rocelia* 6/21/22

INTERSECTION IMPROVEMENTS AT  
 ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
 VEHICLE DETECTOR LOOP DETAILS

WORK ORDER No. C3399

ADVERTISEMENT DATE:

CONTRACT No.

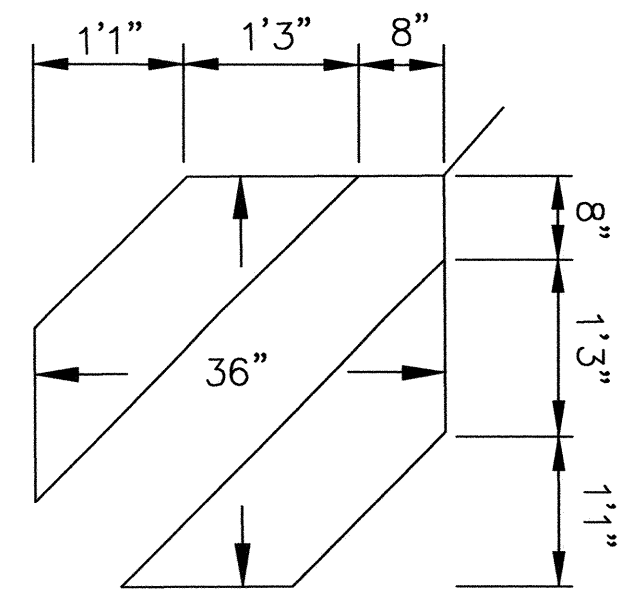
FILE No.

DRAWING No.

E-8

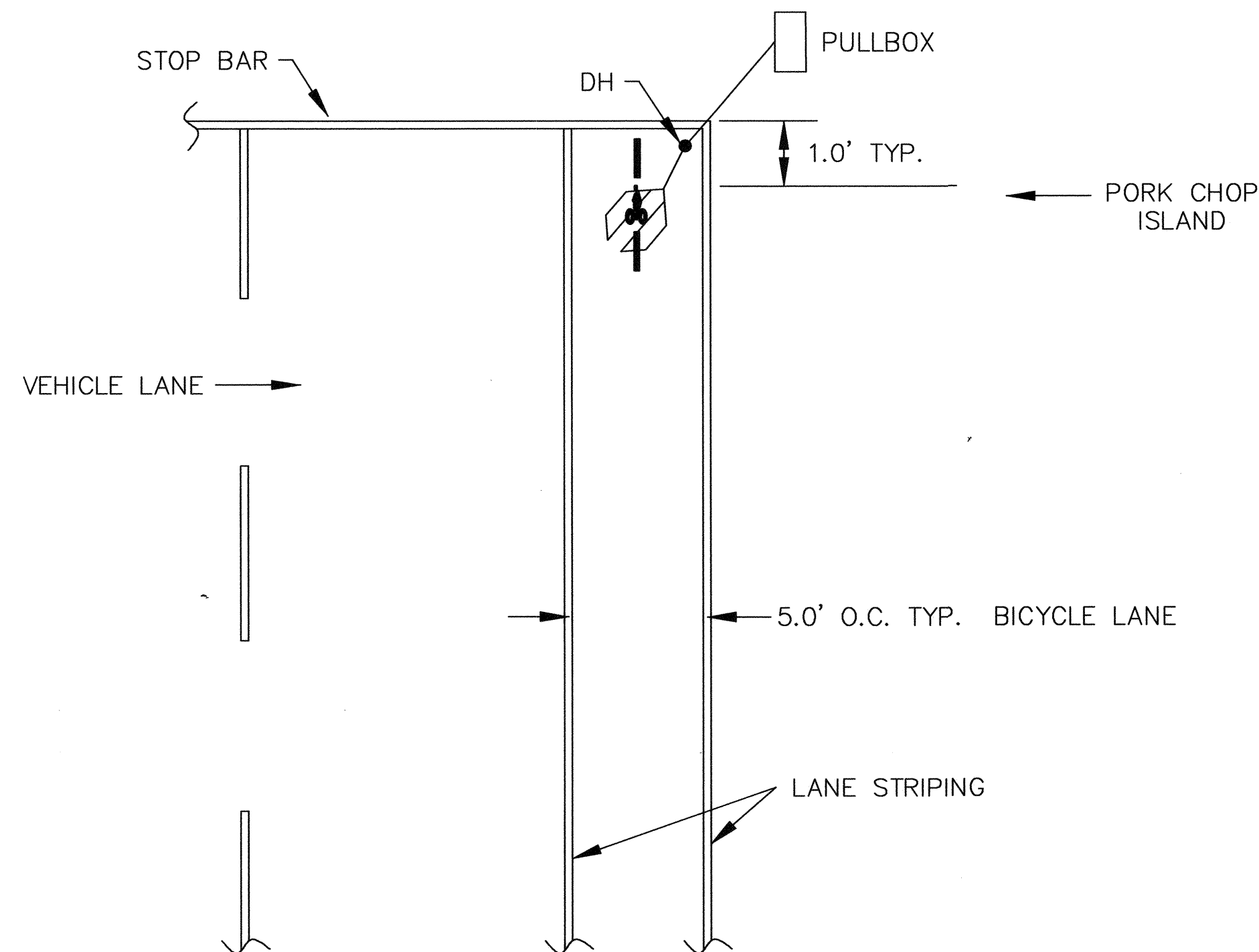
SHT No. 27 OF 35

Scale NTS



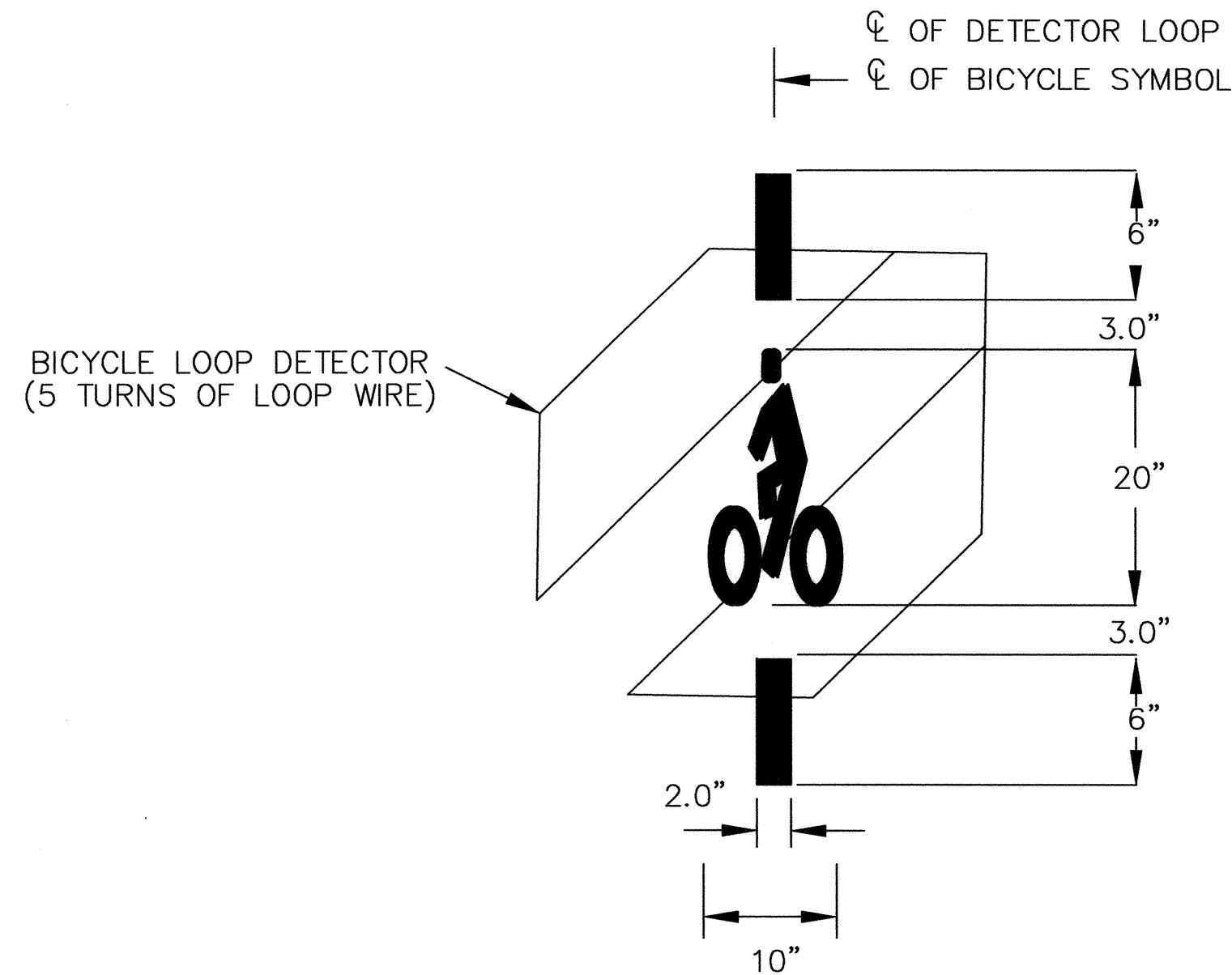
- NOTES :
- A1) LOOP DETECTOR TO BE INSTALLED WITH FIVE (5) TURNS OF LOOP WIRE.
  - A2) REFER TO CSD E/5A FOR OTHER APPLICABLE DETAILS.
  - A3) LOOP WINDING PATTERN SHALL CONFORM TO WINDING DETAIL SHOWN ON 2015 CALTRANS STANDARD PLAN ES-5B
  - A4) ROUND CORNERS OF ACUTE ANGLE SAW CUT TO PREVENT DAMAGE TO CONDUCTORS

**(A) INDUCTIVE BICYCLE LOOP DETECTOR (MODIFIED TYPE "D")**



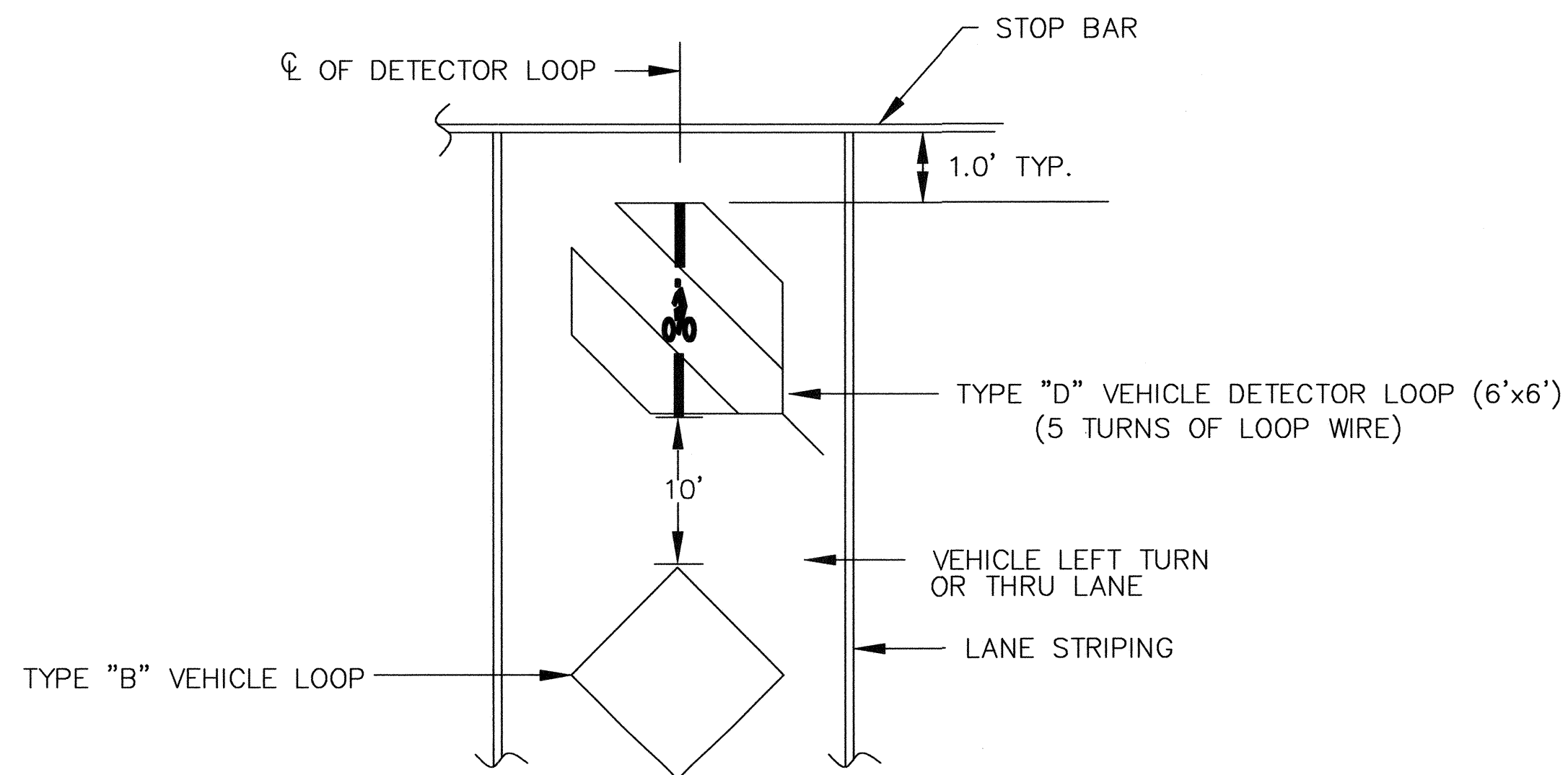
- NOTE :
- C1) BICYCLE LOOP DETECTOR SHALL BE CENTERED TO BICYCLE LANE.

**(C) TYPICAL BICYCLE LOOP INSTALLATION**



- NOTES :
- B1) REFER TO SHEET A24C OF THE STATE STANDARD PLANS FOR OTHER APPLICABLE REQUIREMENTS.
  - B2) BICYCLE LOOP DETECTOR SYMBOL SHALL BE THERMOPLASTIC AND CONFORM TO SECTION 84 "TRAFFIC STRIPES AND PAVEMENT MARKINGS" OF THE COUNTY STANDARD SPECIFICATIONS.

**(B) BICYCLE LOOP DETECTOR SYMBOL (PAVEMENT MARKING) AND PLACEMENT**



**(D) BICYCLE LOOP DETECTOR SYMBOL PLACEMENT IN VEHICLE LANE**

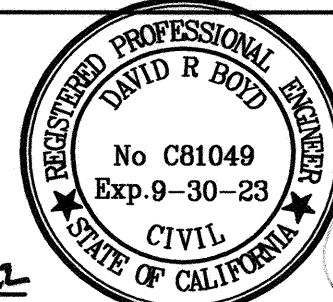
NO.	REVISIONS	BY	DATE	APP'D



COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT

DESIGNED: 06-2022  
 DATE: 06-2022  
 DRAWN: JS  
 DATE: 06-2022  
 CHECKED: [Signature]

SUBMITTED: DAVID R. BOYD  
 ASSOCIATE CIVIL ENGINEER



APPROVED: ROCELIA KMAK, P.E.  
 PRINCIPAL CIVIL ENGINEER

[Signature] 4/21/22

INTERSECTION IMPROVEMENTS AT  
 ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
 LOOP DETECTOR DETAILS




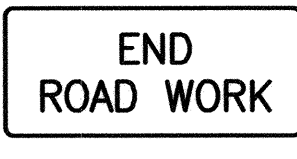



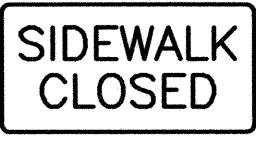

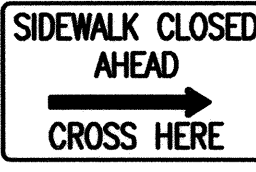
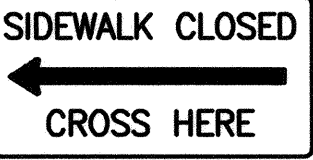
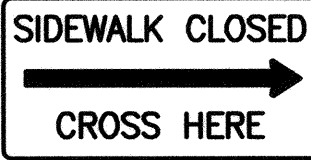
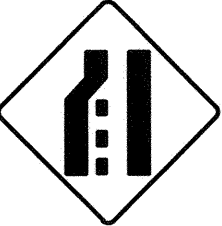
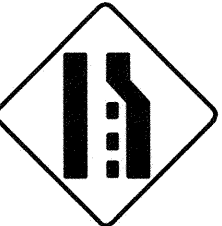
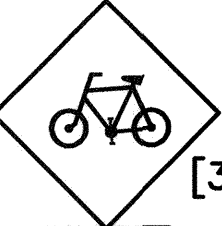
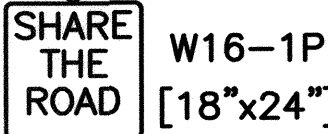




WORK ORDER No. C3399  
 ADVERTISEMENT DATE:  
 CONTRACT No.  
 FILE No.

DRAWING No. **E-9**  
 SHEET No. **28** OF **35**  
 Scale: NTS

**GENERAL NOTES**

1. THESE TRAFFIC CONTROL PLANS HAVE BEEN PREPARED USING INFORMATION CONTAINED IN THE 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2014 CA MUTCD, LATEST REVISION).
2. ALL PROPERTY OWNERS SHALL BE NOTIFIED ONE WEEK IN ADVANCE OF ANY CONSTRUCTION THAT MAY AFFECT PROPERTY ACCESS. ACCESS TO ALL AFFECTED PROPERTIES SHALL BE MAINTAINED OPEN DURING CONSTRUCTION, UNLESS NOTED OTHERWISE.
3. THE CONTRACTOR SHALL INSTALL TRAFFIC CONTROL DEVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO MAINTAIN ALL TRAFFIC CONTROL DEVICES DURING CONSTRUCTION AS REQUIRED BY THE PROJECT ENGINEER. A 24 HOUR "ON-CALL" TELEPHONE NUMBER SHALL ALSO BE PROVIDED BY THE CONTRACTOR FOR SERVICES REQUIRED BEYOND THE NORMAL MAINTENANCE OPERATIONS.
4. ACTUAL SIGN INSTALLATION LOCATIONS ARE TO BE DETERMINED IN THE FIELD. ALL NEW SIGNS SHALL BE INSTALLED PER CALTRANS STD PLANS RS1-RS4 OR ON APPROVED BARRICADES. SIGN LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ANY INSTALLATION WORK.
5. SIGNS SHALL BE INSTALLED/PLACED AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THESE PLANS AND AS DIRECTED BY THE COUNTY.
6. SIGNS SHALL BE DESIGNED AND COMMERCIALY MANUFACTURED ACCORDING TO CURRENT CALTRANS STANDARD SPECIFICATIONS AND CA MUTCD.
7. THE FRAMEWORK FOR BARRICADE-MOUNTED SIGNS SHALL CONSIST OF A BASE, FRAMEWORK, AND A SIGN.
8. SANDBAGS AND/OR GRAVEL BAGS SHALL BE PLACED OVER THE BASE LEGS OF BARRICADE-MOUNTED SIGNS TO PREVENT ANY OVERTURNING.
9. ANY EXISTING SIGNS, STRIPING, AND/OR PAVEMENT MARKINGS THAT CONFLICT WITH THESE TRAFFIC CONTROL PLANS SHALL BE COVERED OR REMOVED DURING CONSTRUCTION. REMOVAL OF ROADWAY STRIPING AND/OR PAVEMENT MARKINGS SHALL BE DONE IN ACCORDANCE WITH CURRENT CALTRANS AND CA MUTCD STANDARDS. SIGNS, STRIPING, AND/OR PAVEMENT MARKINGS SHALL BE RESTORED TO EXISTING CONDITIONS, TO THE SATISFACTION OF THE ENGINEER, ONCE CONSTRUCTION IS COMPLETE.
10. ALL BARRICADES USED DURING EVENING/NIGHTTIME SHALL HAVE FLASHING WARNING LIGHTS.
11. CONSTRUCTION ACTIVITIES AND TRAFFIC CONTROL MEASURES SHALL BE LIMITED TO THE HOURS BETWEEN 9:00 AM AND 3:00 PM, MONDAY THROUGH FRIDAY, UNLESS ALLOWED OTHERWISE BY THE ENGINEER OR OTHERWISE NOTED ON PLANS.
12. CONTRACTOR SHALL INSTALL TEMPORARY "NO PARKING TOW-AWAY ZONE" SIGNS AS NEEDED 48 HOURS IN ADVANCE OF STARTING WORK. SIGNS SHALL INDICATE DATES AND HOURS OR RESTRICTION.
13. CONTRACTOR SHALL KEEP AT LEAST ONE LANE IN EACH DIRECTION OPEN ON ALL AFFECTED ROADWAYS AT ALL TIMES. FULL ROADWAY CLOSURE, IN ANY DIRECTION, IS NOT ALLOWED.
14. CONTRACTOR SHALL COORDINATE WITH SANTA CLARA COUNTY FOR TEMPORARY SIGNAL CONTROL WHENEVER CONSTRUCTION ACTIVITIES IMPACT SIGNALIZED INTERSECTIONS.
15. WHERE NECESSARY, TEMPORARY CRASH CUSHIONS SHALL BE INSTALLED PER 2018 CALTRANS STD PLAN AB1C AS SHOWN.
16. CONTRACTOR FOR THIS PROJECT SHALL BE RESPONSIBLE FOR COORDINATING WITH OTHER CONTRACTORS AND CONSTRUCTION ACTIVITIES IN THE NEARBY AREA AS NECESSARY TO MINIMIZE IMPACTS TO DRIVERS AND THE PUBLIC.
17. AT THE END OF EACH WORK DAY THE CONTRACTOR SHALL BE RESPONSIBLE FOR BACKFILLING THE TRENCHES AND PLACING TRAFFIC-RATED STEEL PLATES TO REOPEN THE TRAFFIC LANES TO TRAFFIC DURING NON-WORK HOURS. STEEL PLATES SHALL BE INSTALLED FLUSH WITH ADJACENT GRADE TO PROVIDE SMOOTH AND SAFE DRIVING CONDITIONS. IF PLATES ARE NOT RECESSED TO BE FLUSH WITH THE PAVEMENT, CONTRACTOR SHALL INSTALL TEMPORARY PAVING WITH COLD ASPHALT TO FEATHER THE EDGES OF THE STEEL PLATES. CONTRACTOR SHALL ADHERE TO SECTION 7-1.04, "PUBLIC SAFETY," OF THE 2015 CALTRANS STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL INSTALL K-RAILS AND CRASH CUSHIONS IF THE TRENCHES ARE KEPT OPEN OR IF ADJACENT ROADWAY SURFACES ARE UNEVEN AT THE END OF EACH WORK DAY.

**SIGN LEGEND**

 C12(CA) [36"x36"]	 C30(CA) [36"x36"]	 C30A(CA) [36"x36"]	 G20-2 [36"x18"]	 R3-2 [24"x24"]	 R3-4 [24"x24"]	 R3-7(R) [30"x30"]	 R9-9 [30"x18"]	 R9-11(L) [24"x18"]	 R9-11(R) [24"x18"]
 R9-11A(L) [24"x12"]	 R9-11A(R) [24"x12"]	 W4-2(L) [36"x36"]	 W4-2(R) [36"x36"]	 W11-1 [36"x36"]	 W16-1P [18"x24"]	 W13-1P [18"x18"]	 W20-1 [36"x36"]	 W20-5(R) [36"x36"]	 W20-5(L) [36"x36"]

**MAXIMUM SPACING OF CHANNELIZING DEVICES**

SPEED (MPH)	MAXIMUM CHANNELIZING DEVICES SPACING		
	TAPER (FEET)	TANGENT (FEET)	CONFLICT (FEET)
20	20	40	10
25	25	50	12
30	30	60	15
35	35	70	17
40	40	80	20
45	45	90	22
50	50	100	25
55	50	100	25
60	50	100	25

ALMADEN EXPRESSWAY  
POSTED SPEED LIMIT = 50MPH

ALMADEN EXPRESSWAY PROPOSED  
SPEED LIMIT DURING CONSTRUCTION  
= 35MPH

CAMDEN AVE  
POSTED SPEED LIMIT= 35MPH

**NOTE:**  
TRAFFIC CONTROL PLANS (TCP), TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) AND PHASING OF WORK PROVIDED ARE FOR REFERENCE ONLY. CONTRACTOR SHALL PREPARE AND SUBMIT TCP AND TPAR BASED ON HIS CONSTRUCTION PHASING FOR REVIEW AND ACCEPTANCE PER PROJECT SPECIAL PROVISIONS SECTION 110-06.01 "TRAFFIC CONTROL SYSTEM".

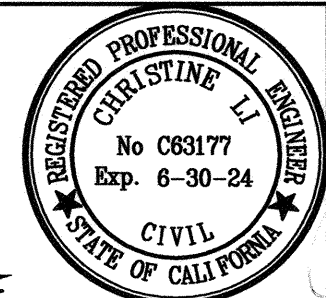
NO.	REVISIONS	BY	DATE	APP'D



COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT

DESIGNED: CL 06-2022	DATE	SUBMITTED: CHRISTINE LI, P.E.	DATE
DRAWN: CL 06-2022	DATE	ASSOCIATE CIVIL ENGINEER	
CHECKED: PP 06-2022	DATE	APPROVED: ROCELIA KMAK, P.E.	DATE
		PRINCIPAL CIVIL ENGINEER	

*Christine Li 6/21/2022* *Rocelia Kmak 6/21/22*



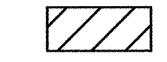
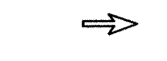
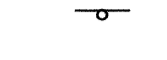

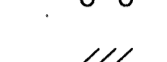
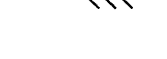

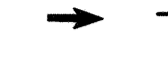


INTERSECTION IMPROVEMENTS AT  
ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
TRAFFIC CONTROL GENERAL NOTE AND SIGN LEGEND

WORK ORDER No. C3399	ADVERTISEMENT DATE:	CONTRACT No.	FILE No.
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DRAWING No. TCP-1  
SHEET No. 29 OF 35  
Scale AS SHOWN

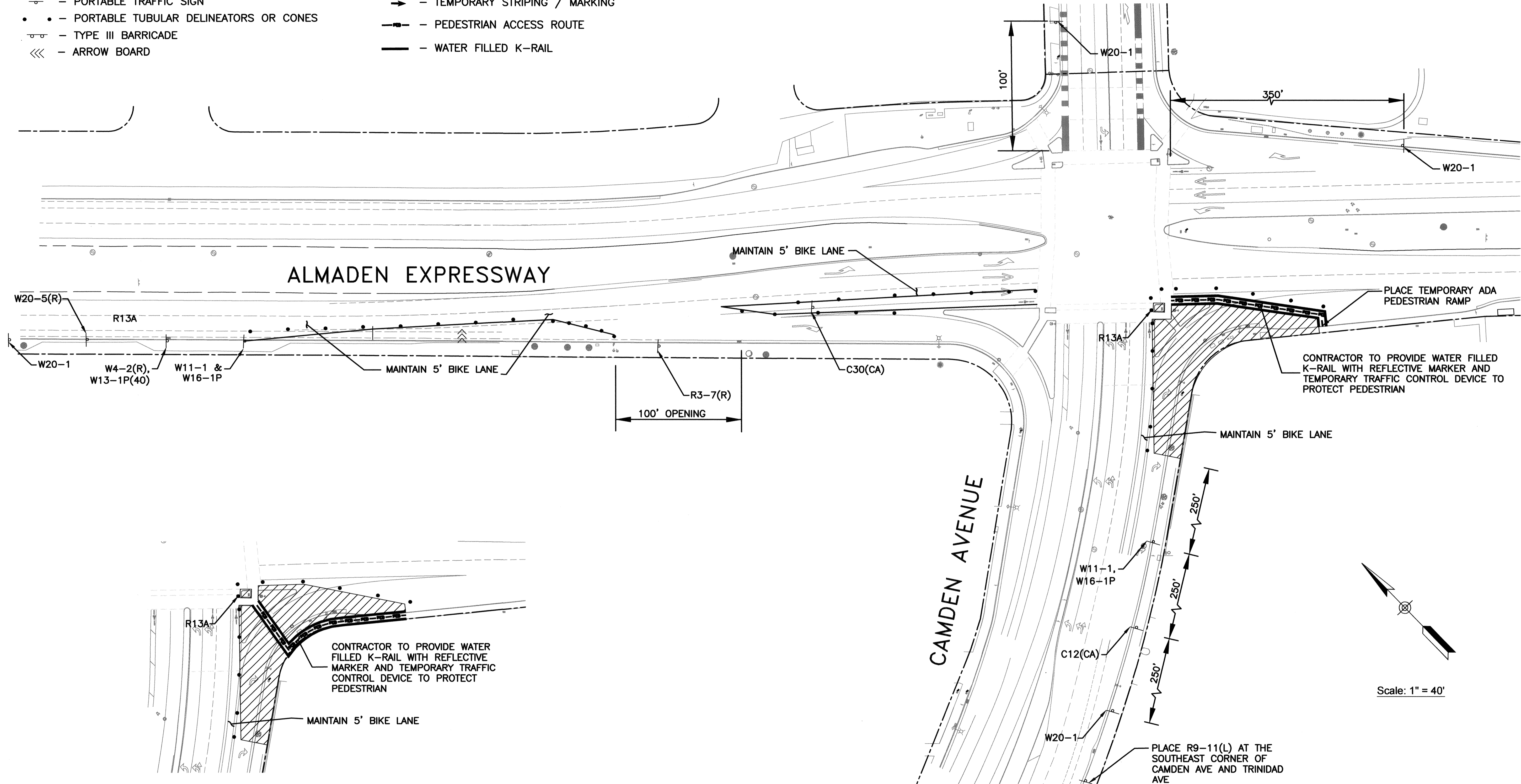


**LEGEND**

-  - WORK ZONE / DEMOLITION AREA
-  - DIRECTION OF TRAFFIC
-  - PORTABLE TRAFFIC SIGN
-  - PORTABLE TUBULAR DELINEATORS OR CONES
-  - TYPE III BARRICADE
-  - ARROW BOARD
-  - CHANGEABLE MESSAGE SIGN (EXACT LOCATION TO BE CONFIRMED BY ENGINEER)
-  - TEMPORARY STRIPING / MARKING
-  - PEDESTRIAN ACCESS ROUTE
-  - WATER FILLED K-RAIL

**NOTE:**

1. TRAFFIC CONTROL PLANS (TCP), TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) AND PHASING OF WORK PROVIDED ARE FOR REFERENCE ONLY. CONTRACTOR SHALL PREPARE AND SUBMIT TCP AND TPAR BASED ON HIS CONSTRUCTION PHASING FOR REVIEW AND ACCEPTANCE PER PROJECT SPECIAL PROVISIONS SECTION 110-06.01 "TRAFFIC CONTROL SYSTEM".



**TRAFFIC CONTROL PHASE 2-2**

ALMADEN EXPRESSWAY/CAMDEN AVE INTERSECTION IMPROVEMENTS  
 LANE CLOSURE/WORKING HOURS ARE BETWEEN 9:00AM AND 3:00PM, M-F  
 (FOR PEDESTRIAN ACCESS ROUTE ONLY. SEE PHASE 2-1 FOR TRAFFIC CONTROL DEVICE)

**TRAFFIC CONTROL PHASE 2-1**

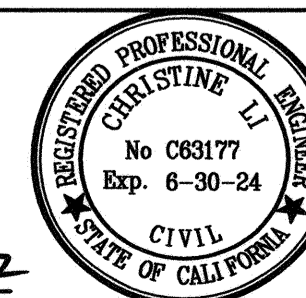
ALMADEN EXPRESSWAY/CAMDEN AVE INTERSECTION IMPROVEMENTS  
 LANE CLOSURE/WORKING HOURS ARE BETWEEN 9:00AM AND 3:00PM, M-F

NO.	REVISIONS	BY	DATE	APP'D



COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT

DESIGNED: CL 06-2022  
 DATE: CHRISTINE LI, P.E.  
 ASSOCIATE CIVIL ENGINEER











APPROVED: ROCELIA KMAK, P.E.  
 PRINCIPAL CIVIL ENGINEER

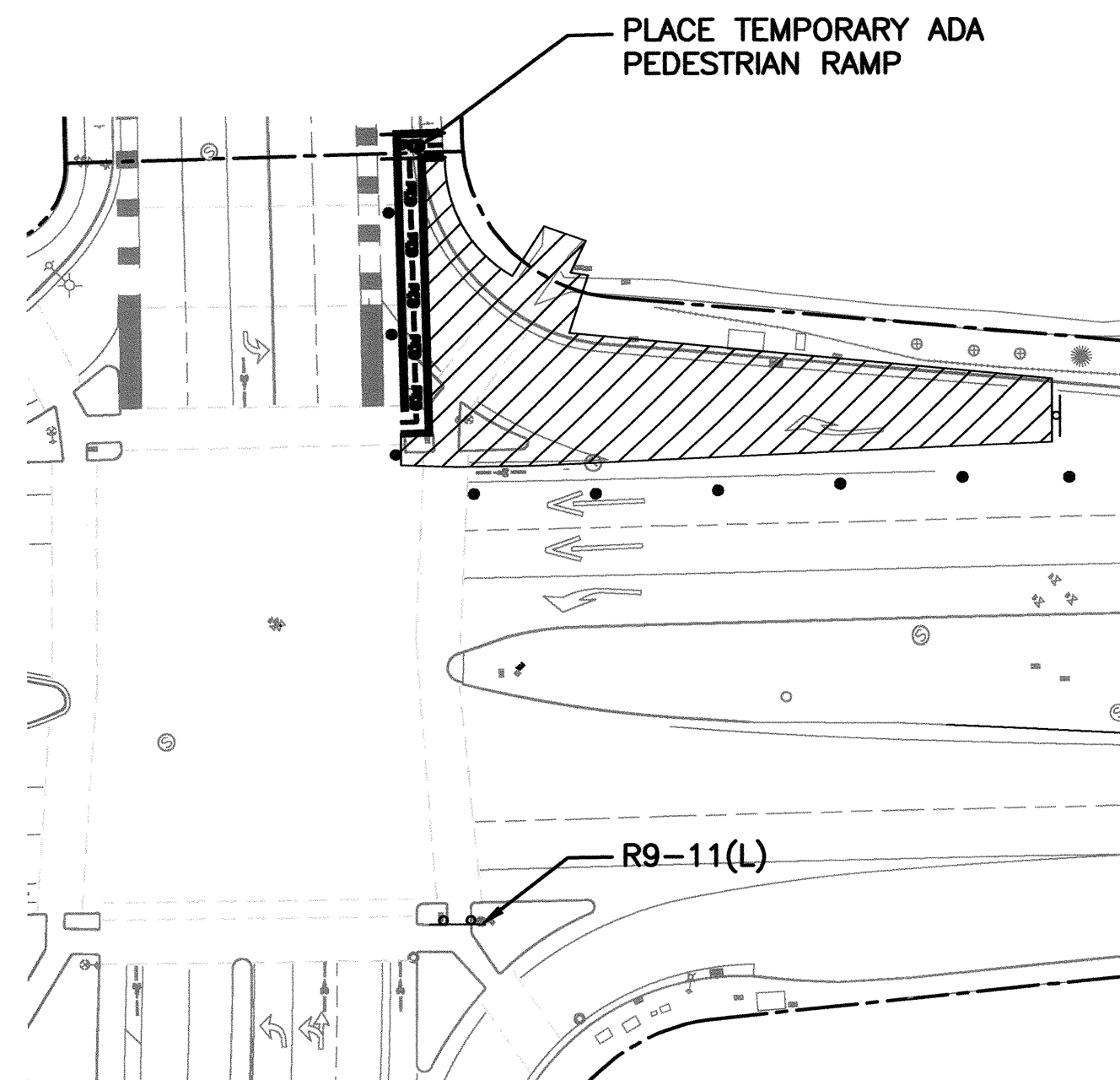
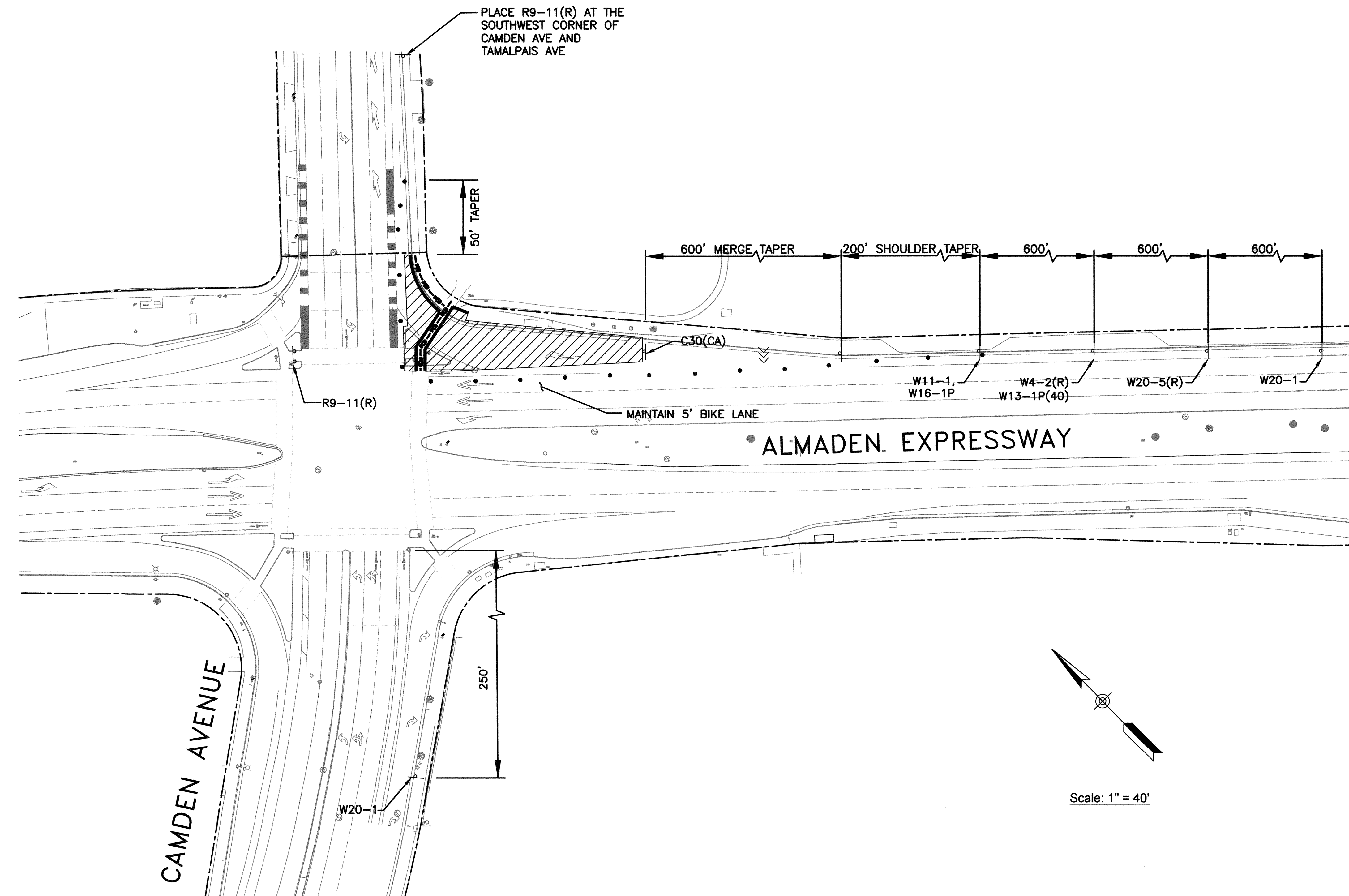
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 Approved: R. Kmak 6/21/22

INTERSECTION IMPROVEMENTS AT ALMADEN EXPRESSWAY AND CAMDEN AVENUE TRAFFIC CONTROL PLAN - PHASE 2		DRAWING No. <b>TCP-3</b>
WORK ORDER No. C3399	ADVERTISMENT DATE:	SHEET No. 31 OF 35
CONTRACT No.	FILE No.	Scale AS SHOWN

**LEGEND**

-  - WORK ZONE / DEMOLITION AREA
-  - DIRECTION OF TRAFFIC
-  - PORTABLE TRAFFIC SIGN
-  - PORTABLE TUBULAR DELINEATORS OR CONES
-  - TYPE III BARRICADE
-  - ARROW BOARD
-  - CHANGEABLE MESSAGE SIGN (EXACT LOCATION TO BE CONFIRMED BY ENGINEER)
-  - TEMPORARY STRIPING / MARKING

**NOTE:**  
 1. TRAFFIC CONTROL PLANS (TCP), TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) AND PHASING OF WORK PROVIDED ARE FOR REFERENCE ONLY. CONTRACTOR SHALL PREPARE AND SUBMIT TCP AND TPAR BASED ON HIS CONSTRUCTION PHASING FOR REVIEW AND ACCEPTANCE PER PROJECT SPECIAL PROVISIONS SECTION 110-06.01 "TRAFFIC CONTROL SYSTEM".



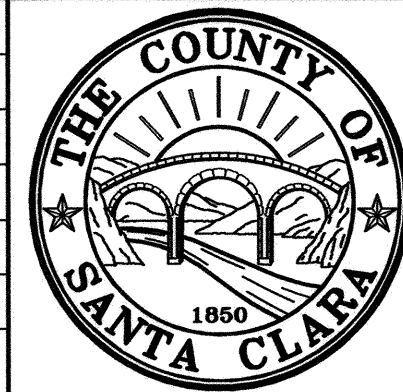
**TRAFFIC CONTROL PHASE 3-1**

ALMADEN EXPRESSWAY/CAMDEN AVE INTERSECTION IMPROVEMENTS  
 LANE CLOSURE/WORKING HOURS ARE BETWEEN 9:00AM AND 3:00PM, M-F

**TRAFFIC CONTROL PHASE 3-2**

ALMADEN EXPRESSWAY/CAMDEN AVE INTERSECTION IMPROVEMENTS  
 LANE CLOSURE/WORKING HOURS ARE BETWEEN 9:00AM AND 3:00PM, M-F  
 (FOR PEDESTRIAN ACCESS ROUTE ONLY. SEE PHASE 3-1 FOR TRAFFIC CONTROL DEVICE)

NO.	REVISIONS	BY	DATE	APP'D



**COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT**

CL DESIGNED 06-2022 CL DRAWN 06-2022 PP CHECKED 06-2022	SUBMITTED: CHRISTINE LI, P.E. ASSOCIATE CIVIL ENGINEER No 083177 Exp. 6-30-24 CIVIL ENGINEER STATE OF CALIFORNIA	APPROVED: ROCELIA KMAK, P.E. PRINCIPAL CIVIL ENGINEER 6/21/22
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**INTERSECTION IMPROVEMENTS AT  
 ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
 TRAFFIC CONTROL PLAN - PHASE 3**

WORK ORDER No. C3399	ADVERTISEMENT DATE:	CONTRACT No.	FILE No.
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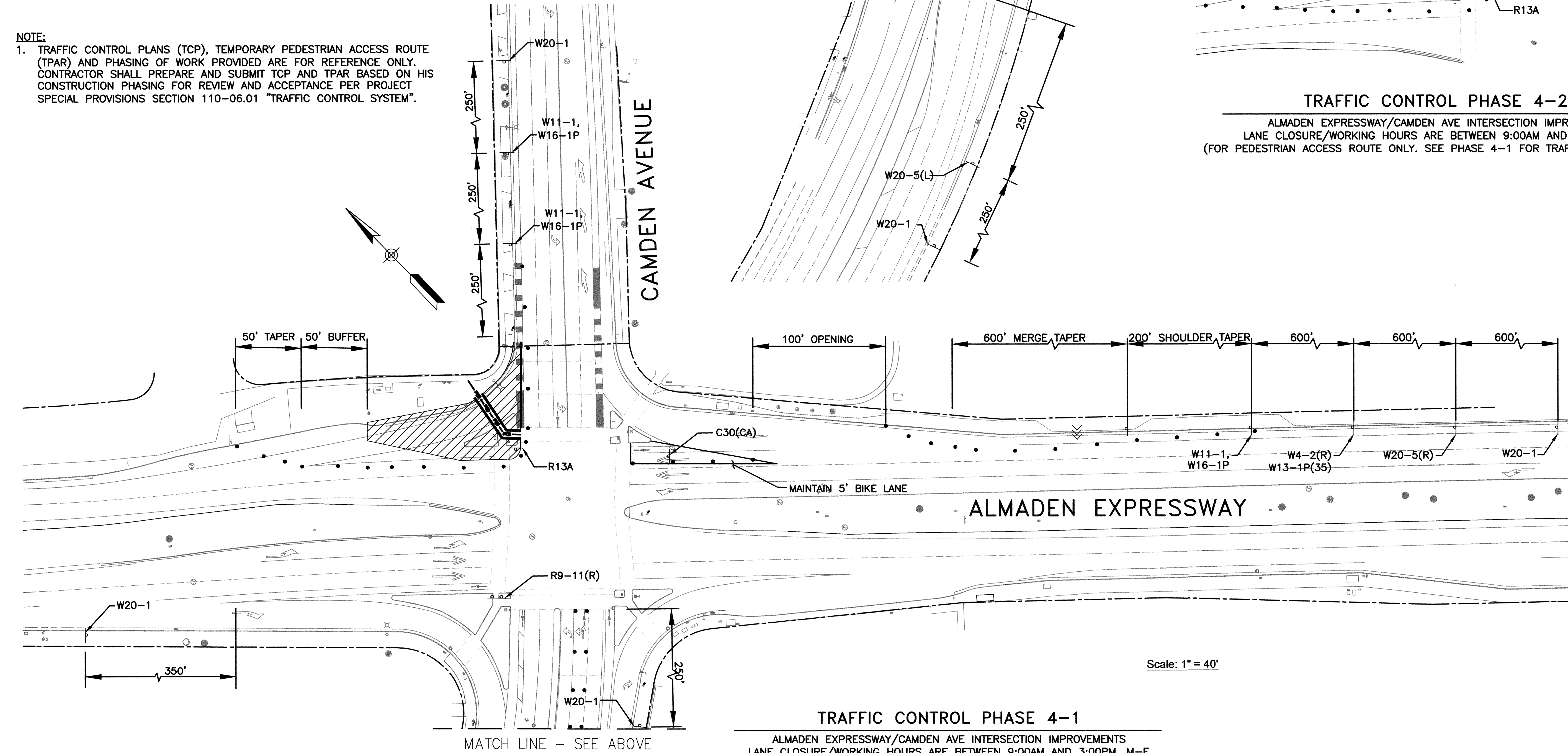
DRAWING No. **TCP-4**  
 SHT No. **32** OF **35**  
 Scale AS SHOWN



**LEGEND**

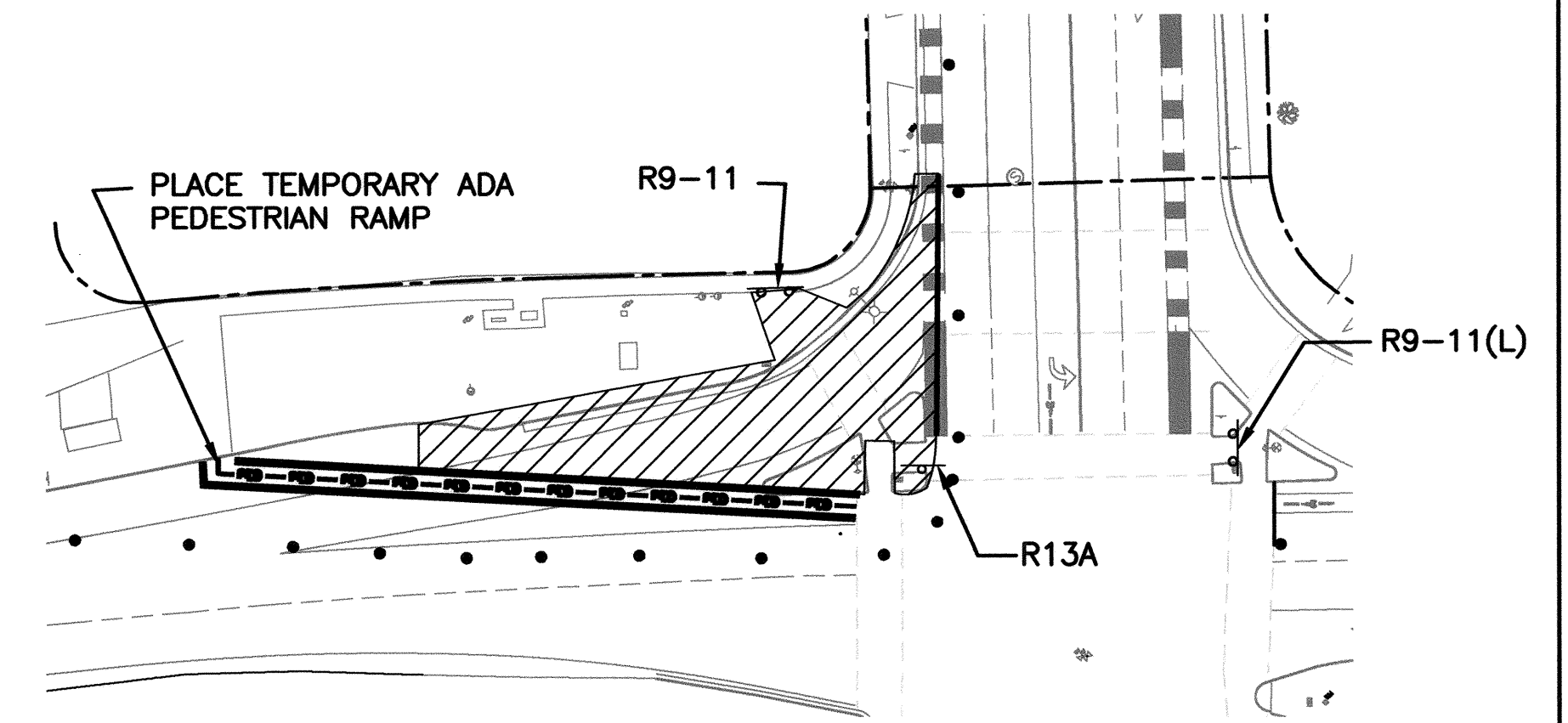
- WORK ZONE / DEMOLITION AREA
- DIRECTION OF TRAFFIC
- PORTABLE TRAFFIC SIGN
- PORTABLE TUBULAR DELINEATORS OR CONES
- TYPE III BARRICADE
- ARROW BOARD
- CHANGEABLE MESSAGE SIGN (EXACT LOCATION TO BE CONFIRMED BY ENGINEER)
- TEMPORARY STRIPING / MARKING
- PEDESTRIAN ACCESS ROUTE
- WATER FILLED K-RAIL

**NOTE:**  
 1. TRAFFIC CONTROL PLANS (TCP), TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) AND PHASING OF WORK PROVIDED ARE FOR REFERENCE ONLY. CONTRACTOR SHALL PREPARE AND SUBMIT TCP AND TPAR BASED ON HIS CONSTRUCTION PHASING FOR REVIEW AND ACCEPTANCE PER PROJECT SPECIAL PROVISIONS SECTION 110-06.01 "TRAFFIC CONTROL SYSTEM".



**TRAFFIC CONTROL PHASE 4-1**

ALMADEN EXPRESSWAY/CAMDEN AVE INTERSECTION IMPROVEMENTS  
 LANE CLOSURE/WORKING HOURS ARE BETWEEN 9:00AM AND 3:00PM, M-F



**TRAFFIC CONTROL PHASE 4-2**

ALMADEN EXPRESSWAY/CAMDEN AVE INTERSECTION IMPROVEMENTS  
 LANE CLOSURE/WORKING HOURS ARE BETWEEN 9:00AM AND 3:00PM, M-F  
 (FOR PEDESTRIAN ACCESS ROUTE ONLY. SEE PHASE 4-1 FOR TRAFFIC CONTROL DEVICE)

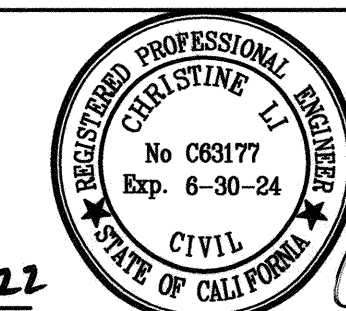
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NO.	REVISIONS	BY	DATE	APP'D



COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT

DESIGNED: CL 06-2022  
 DATE: 06-2022  
 DRAWN: PP 06-2022  
 CHECKED: DATE

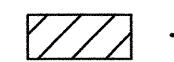
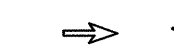
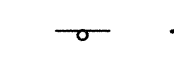

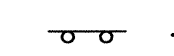





SUBMITTED: CHRISTINE LI, P.E.  
 ASSOCIATE CIVIL ENGINEER  
 APPROVED: ROCELIA KMAK, P.E.  
 PRINCIPAL CIVIL ENGINEER

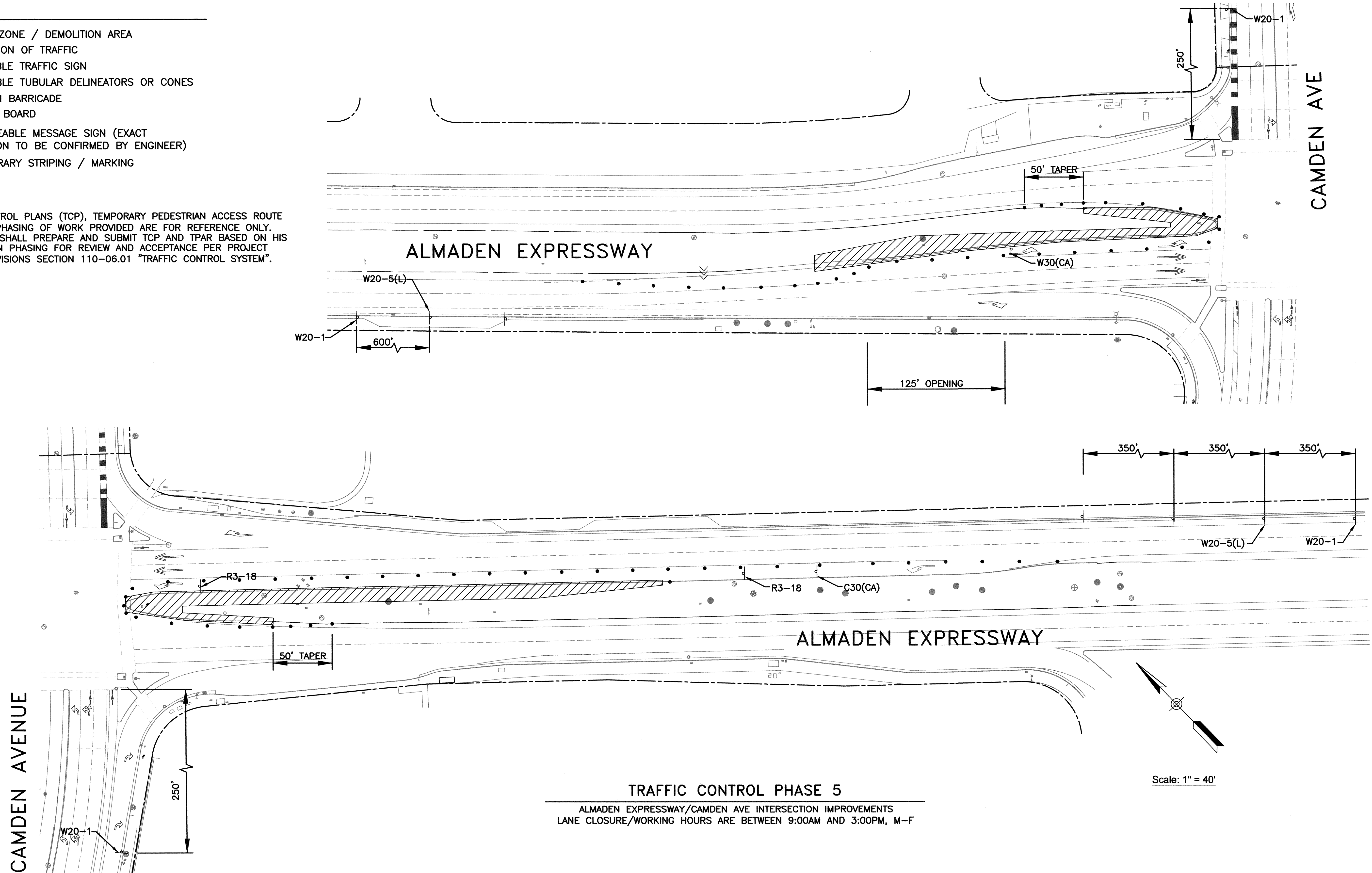
INTERSECTION IMPROVEMENTS AT ALMADEN EXPRESSWAY AND CAMDEN AVENUE TRAFFIC CONTROL PLAN - PHASE 4				DRAWING No. <b>TCP-5</b>
WORK ORDER No. C3399				ADVERTISMENT DATE:
CONTRACT No.		FILE No.		
Scale: AS SHOWN				

SHEET No.  
33 OF 35

**LEGEND**

-  - WORK ZONE / DEMOLITION AREA
-  - DIRECTION OF TRAFFIC
-  - PORTABLE TRAFFIC SIGN
-  - PORTABLE TUBULAR DELINEATORS OR CONES
-  - TYPE III BARRICADE
-  - ARROW BOARD
-  - CHANGEABLE MESSAGE SIGN (EXACT LOCATION TO BE CONFIRMED BY ENGINEER)
-  - TEMPORARY STRIPING / MARKING

**NOTE:**  
 1. TRAFFIC CONTROL PLANS (TCP), TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) AND PHASING OF WORK PROVIDED ARE FOR REFERENCE ONLY. CONTRACTOR SHALL PREPARE AND SUBMIT TCP AND TPAR BASED ON HIS CONSTRUCTION PHASING FOR REVIEW AND ACCEPTANCE PER PROJECT SPECIAL PROVISIONS SECTION 110-06.01 "TRAFFIC CONTROL SYSTEM".



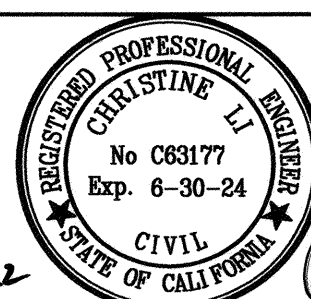
**TRAFFIC CONTROL PHASE 5**  
 ALMADEN EXPRESSWAY/CAMDEN AVE INTERSECTION IMPROVEMENTS  
 LANE CLOSURE/WORKING HOURS ARE BETWEEN 9:00AM AND 3:00PM, M-F

NO.	REVISIONS	BY	DATE	APP'D



COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT

DESIGNED CL DATE 06-2022	DATE 06-2022	SUBMITTED CHRISTINE LI, P.E. ASSOCIATE CIVIL ENGINEER	APPROVED ROCELIA KMAK, P.E. PRINCIPAL CIVIL ENGINEER
DRAWN PP DATE 06-2022	DATE 06-2022	<i>Christine Li</i> 6/21/2022	<i>Rocelia Kmak</i> 4/21/22



INTERSECTION IMPROVEMENTS AT  
 ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
 TRAFFIC CONTROL PLAN - PHASE 5


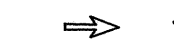
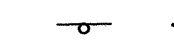

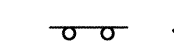



WORK ORDER No. C3399      ADVERTISEMENT DATE:      CONTRACT No.      FILE No.

DRAWING No.  
**TCP-6**

SHEET No.  
**34** OF **35**

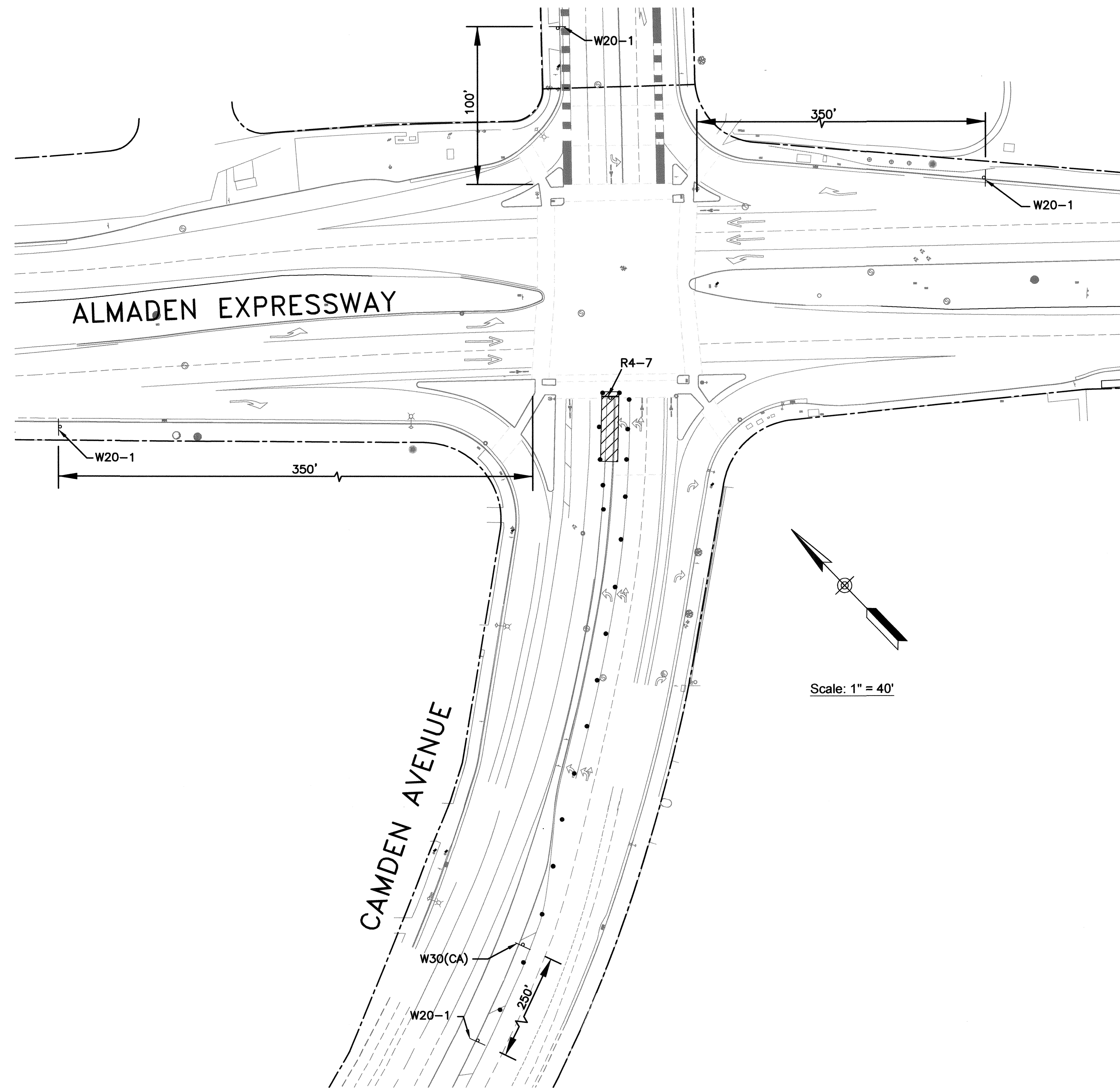
Scale  
AS SHOWN

**LEGEND**

-  - WORK ZONE / DEMOLITION AREA
-  - DIRECTION OF TRAFFIC
-  - PORTABLE TRAFFIC SIGN
-  - PORTABLE TUBULAR DELINEATORS OR CONES
-  - TYPE III BARRICADE
-  - ARROW BOARD
-  - CHANGEABLE MESSAGE SIGN (EXACT LOCATION TO BE CONFIRMED BY ENGINEER)
-  - TEMPORARY STRIPING / MARKING

**NOTE:**

1. TRAFFIC CONTROL PLANS (TCP), TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) AND PHASING OF WORK PROVIDED ARE FOR REFERENCE ONLY. CONTRACTOR SHALL PREPARE AND SUBMIT TCP AND TPAR BASED ON HIS CONSTRUCTION PHASING FOR REVIEW AND ACCEPTANCE PER PROJECT SPECIAL PROVISIONS SECTION 110-06.01 "TRAFFIC CONTROL SYSTEM".



**TRAFFIC CONTROL PHASE 6**

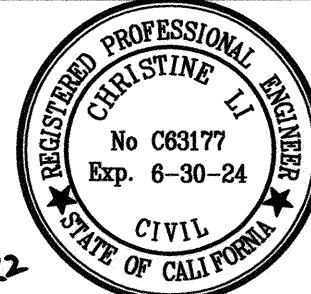
ALMADEN EXPRESSWAY/CAMDEN AVE INTERSECTION IMPROVEMENTS  
LANE CLOSURE/WORKING HOURS ARE BETWEEN 9:00AM AND 3:00PM, M-F

NO.	REVISIONS	BY	DATE	APP'D



COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT

DESIGNED: CL 06-2022  
 DATE: 06-2022  
 DRAWN: CL 06-2022  
 CHECKED: PP 06-2022



SUBMITTED: CHRISTINE LI, P.E.  
 ASSOCIATE CIVIL ENGINEER

*Christine Li* 6/21/2022

APPROVED: ROCELIA KMAK, P.E.  
 PRINCIPAL CIVIL ENGINEER

*Rocelia Kmak* 6/21/22

INTERSECTION IMPROVEMENTS AT  
 ALMADEN EXPRESSWAY AND CAMDEN AVENUE  
 TRAFFIC CONTROL PLAN - PHASE 6

WORK ORDER No. C3399  
 ADVERTISEMENT DATE:  
 CONTRACT No.  
 FILE No.

DRAWING No.  
**TCP-7**  
 SHEET No.  
**35** OF **35**  
 Scale AS SHOWN